

AMERICA'S
BEST
Computer
Magazine!
See Page 3

BONUS ISSUE: HOLIDAY GAMES SPECTACULAR II



A better machine. A better magazine.

DEC/97

Mac ADDICT

- JAZZ UP
a FileMaker Database
- CREATE
an Animated GIF
- AND MORE!

HOW TO HAVE THE
BEST
MAC HOLIDAY
EVER!

63 Wacky Things
to Do and Buy

+Plus!

132 CHEATS FOR
16 HOT GAMES

SNEAK PEEK:
The Best Games This Season

RHAPSODY UPDATE:
The Skinny on Apple's New OS

I'M GETTING
EXCITED ALL OVER!



www.macaddict.com

imagine
a new way of publishing

\$7.99 U.S. / \$8.99 CANADA



0 74470 01096 8

12>

Experience a day in the life of a prism.

Because You Can.





Right out of the box, the Sony VAIO Tower (shown with VAIO 220VS Display) has all the software and processing power needed to explore digital imaging, video editing and website publishing.



Wirelessly beam your favorite photos from Sony's DSC-F1 Digital Still Camera straight to your PC*, then show them off to your family and friends using your Sony display.



Improve your world view
with the new vertically-flat

Sony GDM-400PS 19" Trinitron® Display,

featuring an 18" viewable image, plus Active Signal Correction (ASC™) circuitry,
which automatically sizes and centers your image at the touch of a button.



Capture your vision in vivid detail with the DCR-VX1000 Handycam® Camcorder and edit it with amazing precision and clarity on your Sony display.



Sony VAIO™ Notebook and Docking Station combine to give you a full multimedia experience, plus seamless connections to your Trinitron display, VAIO All-in-One Printer and more.

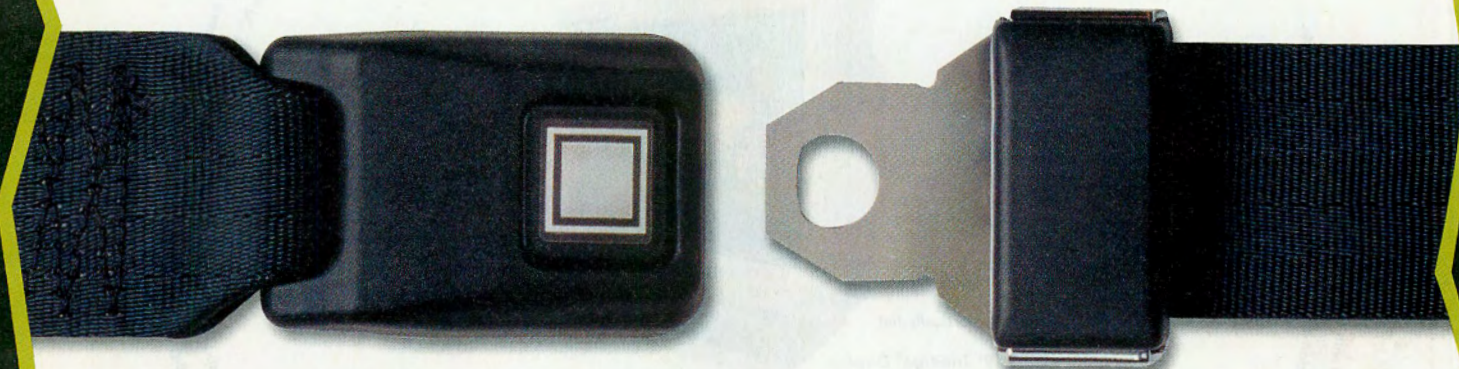
For more info: 1-888-552-7669 or www.sony.com/imagination

There is a place where ideas bask in sheer beauty, intense color and amazing clarity. But until this moment, it was only in your mind. Introducing the Sony GDM-400PS, one of 14 displays designed to bring your imagination yet another step closer to reality. In addition to Sony's renowned Trinitron technology, the GDM-400PS also features a new flatter (over 40%*) CRT design for more accurate images, not to mention less glare. Plus Sony's new Digital Dynamic Convergence™ circuitry enhances image clarity up to 25%** from corner to corner. And finally, like all of our displays, the GDM-400PS is fully compatible with your PC or Mac®. Just open the box to all the possibilities. And your mind is sure to follow.

SONY

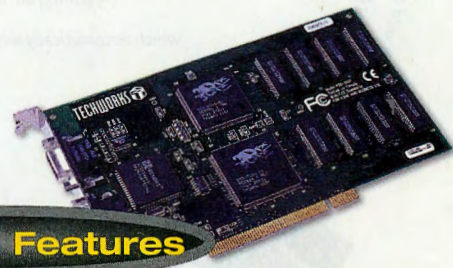
POWER3D™

BEFORE INSTALLING OUR NEW GRAPHICS ACCELERATOR, PLEASE CONNECT THE FOLLOWING PERIPHERALS.



Better strap yourself in.

TechWorks introduces the very first gaming card for the Mac with 3Dfx Voodoo Graphics technology. That means you can turn your PowerPC into a Power Arcade, with mind-blowing graphics for the latest games. Take it for a spin with new 3Dfx-enabled titles right in the box, including Quake Episode 1, MechWarrior 2, VR Soccer and Weekend Warrior. It's completely plug and play, and works with Mac OS 8. So call 1-800-434-4031, order online at www.techworks.com or ask for Power3D at your local Mac retailer. And get ready to put the pedal to the metal.



Power3D Features

- Perspective-corrected texture mapping
- Bi-linear and advanced texture filtering
- Gouraud shading and texture modulation
- Anti-aliasing and alpha blending
- Special effects: fog, transparency and translucency

Check out these Mac games bundled with Power3D.



Quake™ Episode 1 by id Software



MechWarrior® 2 by Activision



VR Soccer™ by VR Sports



Weekend Warrior™ by Bungie Software

MICRO CENTER
THE COMPUTER DEPARTMENT STORE®

The Mac Zone

Other World Computing
SERVING THE MAC UNIVERSE SINCE 1988

POWER3D
BY TECHWORKS

TechWorks Inc. 4030 W. Braker Lane, Austin, TX 78759, Tel: 512-794-8533, Fax: 512-794-8520, TechWorks U.K. Ltd.: 811-882 Plymouth Rd., Trading Estate, Slough SL1 4LP, U.K., Tel: +44 01753 898-500, Fax: +44 01753 898-501. TechWorks is a registered trademark of Technology Works, Inc. All other names including Mac OS 8, 3Dfx, Voodoo Graphics, PowerPC, Quake, MechWarrior, VR Soccer, Weekend Warrior, Micro Center, Other World Computing, and The Mac Zone are registered trademarks of their respective companies.

DECEMBER 1997

Mac ADDICT 16

highlights

34 63 Wonderful Things to Do for a Mac Addict This Holiday

Not your average gift guide, this holiday treat relates the best things to do or buy for your favorite Mac addict. Alternately, leave it lying around, with the things you want circled, as a nice subtle hint for those who have to shop for you. **BY DAVID REYNOLDS**

44 Holiday Games Spectacular II

In this year's big blowout, find out which games are the best, hottest, greatest, latest, and simply the most fun. We preview the plot and give you a ton of mouth-watering images to get you revved up to play. **BY KATHY TAFEL**

58 Cheaters Never Win—Oh Yeah?

Want to play in god mode in Descent II? Want to really tear apart the enemy in Duke Nukem 3D? Or would you rather just fly a different type of aircraft in Hornet 3.0? All this and more is possible if you cheat just a little. **BY BART G. FARKAS**

how to

80 Build Tabs in FileMaker

Tab, tab, everywhere there's a tabbed interface. Except in FileMaker, that is. Learn how to add tabs to your database for easy one-click access.

84 Make an Animated GIF

Last month you learned how to shoot a movie that you would eventually use as an animated GIF on your Web site. This month we'll take that movie and actually make the GIF. You'll find the GIF we created, Slappy the Robot, at our Web site.

LET'S KICK INTEL'S ASS!



WE'RE FIGHTING BACK FOR MAC!

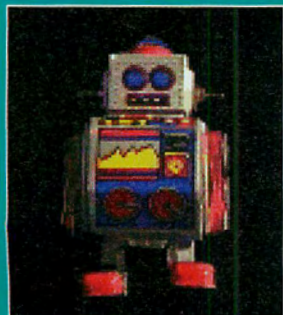
Merry Christmas Grandma!



Thwack! Chop! Them axes will make sushi out of you in no time!



I'm gonna steal me a toupee....



She's back! Oh no! It's the maid from *The Jetsons*!



The nutcracker OS was diligently rendered by the extremely talented and reliable Olivier Wolfson. *MacAddict* is the 1996 recipient of the Computer Press Association's Best Overall Magazine Award!

Sorry, but your toothpaste trick is no match for these shotguns.



Some days just
don't go so
well—ya know
what I mean?



every month

6 Editor's Note

Cheryl makes something up as she goes along. Again.

8 Letters

Nikki already has a date to the prom, but you all keep sending her invites and other weird things.

24 Get Info

In which we wax rhapsodic, detect Internet addresses, and pick a Power Mac 6500 winner. Plus, the MacAddict Index!

30 Cravings

We can't wait to get our arms around this gaggle of groovy gadgets.

62 Reviews

Get the scoop on Apple's latest high-end offerings. Gotta-have software, and yet another superspeedy modem.

88 Ask Us

Centering offscreen windows, upgrading guide, previewing with Font-orama, networking Marathon with modems, partitioning, and other wisdom.

92 PowerPlay

We make Glenn Andreas spill the beans about his latest game, show you just how unreal Unreal is, and tell you how to conquer any Civilization.

120 Shut Down

How long before Steve notices the jokes about his hair?

the disc



12

This tough nut contains more goodies than you can hope for. Print out our exclusive computer cozy pattern and see a PC sledged to death (back by popular demand). Plus check out the brand-new Software Store now open for business.

the web site

<http://www.macaddict.com>

18

Like busy elves, we continue to overhaul our little house on the Internet. Admire our new drapes! Ransack the site with our handy search engine! Recline on our comfy sofa! Peruse our reviews archives! Ogle the ever-expanding art gallery! And don't forget to join us for our daily events!

Mac ADDICT

EDITORIAL

EDITOR-IN-CHIEF Cheryl England
MANAGING EDITOR Judy Lewenthal
ASSOCIATE EDITORS Robert Capps (reviews), Nikki Echler,
David Reynolds, Kathy Tafel
CD-ROM: Wade Albright (CD-ROM editor),
Thomas Hale (director, development)
ONLINE EDITOR Mark Simmons
ASSOCIATE ONLINE EDITOR Jennifer Gwartz
CONTRIBUTING EDITORS Raf Anzovin, Steven Anzovin,
Joseph O. Holmes, Ross Scott Rubin
FREELANCE EDITORS Laura Fredrickson, Laura Miller

ART

ART DIRECTOR Ken Bousquet
ASSOCIATE ART DIRECTOR Adam Vanderhoof
FREELANCE DESIGNER Rey Serrano
INTERIM Chris Vanderhoof

PRODUCTION

PRODUCTION DIRECTOR Richard Lesovoy
PRODUCTION COORDINATOR Ken Brandow

ADVERTISING

See page 116 for MacAddict advertising contacts.
ADVERTISING COORDINATOR Jana Massey
GENERAL CONSUMER ADVERTISING SALES
Fox Associates, Inc.: Atlanta, 404-252-0968; Chicago, 800-
345-8670; Detroit, 810-543-0068; Los Angeles, 310-841-0280;
New York, 212-725-2106; San Francisco, 415-989-5804

CIRCULATION

NEWSSTAND DIRECTOR Bruce Eldridge
NEWSSTAND MANAGER Thea Selby
NEWSSTAND ANALYST Terry Lawson
CIRCULATION MANAGER Kate Bailey
FULFILLMENT MANAGER Peggy Mores
DIRECT MAIL MANAGER Amy Nibbi

Imagine Publishing, Inc.

PUBLISHER Stephanie Dale
VICE PRESIDENT/PUBLISHING DIRECTOR
Jonathan Simpson-Bint
SALES DEVELOPMENT DIRECTOR Julie Fisher
VICE PRESIDENT/CIRCULATION Holly Klingel
VICE PRESIDENT/CFO Tom Valentino
PRESIDENT Chris Anderson
INTERNATIONAL LICENSING: Robert J. Abramson &
Associates, Inc., 720 Post Road, Scarsdale, NY 10583

SUBSCRIPTION QUERIES

Please phone customer service at 800-666-6689

Volume 2, Issue 12

MacAddict (ISSN 1088-548X) is published monthly by Imagine Publishing, Inc., 150 North Hill Drive, Suite 40, Brisbane, CA 94005, USA. Periodical class postage paid at Brisbane, CA, and at additional mailing offices. Newsstand distribution is handled by Curtis Circulation Co. Basic subscription rates: one year (12 issues + 12 CD-ROMs) U.S. \$39.90, Canada \$43.95, U.S. prepaid funds only. Canadian price includes postage and GST (GST 128220688), (IPM 0962392) Outside the U.S. and Canada, price is \$53.95, U.S. prepaid funds only. POSTMASTER: Send address changes to MacAddict, P.O. Box 58251, Boulder, CO 80328-8251. Imagine Publishing also publishes boot, Ultra Game Players, Next Generation, PC Gamer, PSM, and The Net. Entire contents copyright 1997, Imagine Publishing, Inc. All rights reserved. Reproduction in whole or in part is prohibited. Imagine Publishing, Inc. is not affiliated with the companies or products covered in MacAddict. Standard Mail Enclosed Edition: A3, A4, B, B2, B3, B4. PRODUCED IN THE UNITED STATES OF AMERICA.

BULK RATE
U.S. POSTAGE PAID
Waseca, MN
Permit No. 348

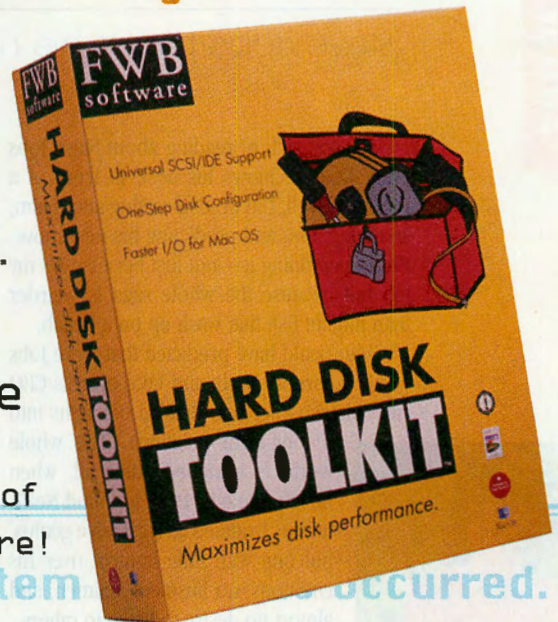
Ciao bella Patrick! We're Macaddicted to you! Happy
Nov/Dec birthdays: MS, CE, JML, & JRG. Hey Stephanie,
welcome to the Clan! Thanks too, to little angel elves. xo



Is Your Hard Disk MacOS 8 Ready?

Get maximum performance
and reliability from
all your drives with the latest
Hard Disk ToolKit from FWB.

Optimized for MacOS 8, Hard
Disk ToolKit delivers worry-free
compatibility with one button
disk set up, high speed drivers, bullet-proof
security, comprehensive diagnostics, and more!



Sorry, a system I/O error occurred.

Restart

Supercharge CD-ROM
performance with the new
CD-ROM ToolKit 3.0!

CD-ROM ToolKit has been
optimized for MacOS 8
to make all your CD-ROMs faster,
smarter, and more fun.

FWB
software

**1 in Storage Management.*

available
online at:

CYBERIAN Outpost
www.cybout.com

MacWAREHOUSE
1-800-255-6227



MacConnection®
1-800-800-2222

1-800-248-0800

<http://www.fwb.com>

© 1997, FWB Software, LLC. FWB and Hard Disk ToolKit are registered trademarks of FWB Software. CD-ROM ToolKit is a trademark of FWB Software. Mac and MacOS are trademarks of Apple Computer, Inc. and may be registered in certain jurisdictions. All other trademarks are property of their respective owners. All rights reserved. Specifications subject to change without notice.



editor's note

Steve Jobs blows his nose and we write about him yet again.

Are you sick of reading about Steve Jobs every time he blows his nose in front of a reporter? Well, I'm tired of writing about him, analyzing him, and predicting his next move. But I keep doing it—not just because it's my job but because the whole saga is weirder than mutant fish that wash up on a beach.

Who could have predicted that Steve Jobs would return to Apple and take over as CEO (an "interim" position that I'd bet turns into

a long-term position). The whole world is intrigued. After all, when he left Apple in 1985 to found NeXT, he was branded as a creative genius, but one with little control over his emotions, no business acumen, and almost no desire to listen to others.

Today, Jobs displays many of his traditional traits—he's a highly charismatic speaker who can make you love him even as he stabs you in the back, he's opinionated and blunt, and he instills deep loyalty in those around him. He's also fortified the barracks with people he trusts such as Jon Rubinstein, Senior Vice President, Hardware Engineering, and Avie Tevanian, Senior Vice President, Software Engineering, and has given these folks, if not completely free reign, at least enough rope to keep hardware and software development stable and on track with Jobs' own ideas. Similarly, the Board of Directors is stacked with people that Jobs respects (such as his good friend Larry Ellison, Chairman and CEO of the rapidly growing Oracle Corporation).

And Jobs has an incentive to listen to these people. As Apple's ousted co-founder, he must desperately want to make his place in history as the savior of the company in its darkest hour. And what better than to walk onto a stage and once again introduce the world to the next great leap forward in personal computing.

Jobs is also decisive and quick. He has touched just about every major part of Apple

and taken swift actions in each. For example, in a recent visit with the industrial design folks, the group that designs products like the eMate, Jobs made quick decisions about which projects to keep, which to axe, and which to refocus. For the first time in years, the futuristic design group is optimistic that a significant portion of its work may actually see the light of day.

Yes, Jobs is a visionary with drive, but is he a businessman? Certainly the purchase of Power Computing sent a tremor through the community. Was that the death knell for Apple, or was it the smartest move to come down the pike in years? At first, industry pundits were appalled, claiming that Apple had just shot itself in the foot, or worse. Now, the conventional wisdom is that the purchase of Power Computing wasn't something anyone wanted to see happen, but it was necessary. Apple goofed by licensing the Mac OS to Power Computing too cheaply. Power, in turn, had built its business model on that pricing structure and would have suffered with higher costs. Jobs' decision to purchase Power was, many now think, the right one to keep Apple financially healthy.

So why didn't Apple keep Power Computing alive if only as the direct marketing arm for Apple? Apple is already far behind large PC companies such as Dell and Compaq in the ways in which it sells and distributes Macs. Can Jobs structure marketing and distribution deals in a way that makes sense for both Apple and its channel partners? Can he do this quickly enough to stop Apple's rapid erosion in retail and education?

Jobs keeps asking us to trust him, saying that we'll see truly great products from Apple, as well as the changes that have long been needed. So until we see proof in the form of a healthy Apple, I guess we'll trust him. In the meantime, we'll keep asking questions and keep talking about Apple and Steve Jobs' return. It's a mystery—one we'd all like to see resolved, replete with the traditional happy ending. —Cheryl England

We get tons of questions every day and a few of them occur quite frequently. Here's our handy guide to answers for some of those questions.

Q: How can I write for you guys?

A: If you want to write for us, send us a letter outlining what types of things you want to write, what areas of expertise you have on the Mac, and what writing you've done in the past. If you've had anything published, please include those clips. It's also helpful if you submit a couple of ideas for short how-to articles that you'd like to write.

Also, please be patient with us if it takes a while to respond or if we don't have anything to assign to you. We get a lot of mail and a lot of requests for writing assignments and we have to balance our responses with all the other work that has to get done.

Q: Do you have an intern program?

A: We don't currently have a formal intern program, but if you are interested in an intern position, please send us a letter explaining why you would be a strong intern candidate, what your educational background is, what type of internship you want, (art, editorial, technical, etc.) and how much you know about Macs. Also include information on when you want to do the internship. We'll keep everything handy in case we should start an intern program.

Q: What does it take to get published in your letters section?

A: Wit, humor, a touch of childishness, something different to say, timing, and luck.

Q: Nikki, will you go out with me?

A: No. She's got a boyfriend and she's probably too old for you anyway.

Q: Will you ever give us CD holders for all our MacAddict discs?

A: Perhaps. We are working on ideas for additional MacAddict paraphernalia such as disc or magazine holders. We'll let you know more as we work out the logistics.

Q: How did you guys get so cool?

A: We're not cool. We're dorks. All of us. We spend too much time indoors and we don't have very normal lives. It's not pretty.

Frequently Asked Questions

Jobs keeps asking us to trust him, saying that we'll see truly great products.

Out of Your Mind!

Introducing Nexus GA from ATI

From your brain to the big screen and the printed page faster than you can change your mind - ATI's Nexus GA will dramatically improve the graphics capabilities of your Macintosh computer. Specifically designed for graphics professionals and content creators, ATI Nexus GA offers high-performance 2D and 3D graphics in one affordable, easy-to-install board.

Nexus GA offers no-compromise 2D graphic performance with true color in all the modes you demand up to

2D Performance - MacBench 4.0

ATI NEXUS GA	316
IXMicro TwinTurbo 128M8	297
Matrox Millennium	254

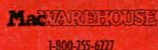
Larger Numbers are Better

1920x1080. Work better and faster in all your favorite applications like PhotoShop, and Infini-D, with 8MB of WRAM memory upgradeable to 16MB.

Plus, with Nexus GA's 3D functionality and QuickDraw 3D™ support you can add 3D elements to any of your design and multimedia projects. Nexus GA will take your content creation to new heights with a full suite of 3D tools and workstation-class performance.

And because Nexus GA is from ATI, makers of award-winning graphics accelerators for Macintosh computers, you can rest easy that Nexus GA will work seamlessly with your applications. Nexus GA - fastest, high resolution true color performance - to choose anything else you'd have to be out of your mind.

© Copyright ATI Technologies Inc. 1997. ATI, 3D RAGE PRO, and NEXUS are trademarks, or registered trademarks of ATI Technologies Inc. All other company and/or product names are trademarks and/or registered trademarks of their respective manufacturers. *MacBench 4.0 Hi Res Publishing Mixes Tested on a PowerMac 9600/200 32MB. All Boards had 8MB. Test Mode: 1280x1024x75 Hz @32bpp. Tested using Driver Versions: ATI RAGE PRO 3.0 / IXMicro TwinTurbo 4.0.2 / Matrox Millennium 2.10. Features and specifications are subject to change without notice.



Now You See It.™
www.atitech.com/macad





letters

You send 'em. We read 'em. But only a select few get published.

This Month

WRITE TO US: MacDudes, MacAddict, 150 North Hill Drive, Suite 40, Brisbane, CA 94005, or send email to letters@macaddict.com. **FOR CD-ROM PROBLEMS:** Go to <http://support.imagine-inc.com>. **FOR SUBSCRIPTION QUERIES:** Please call our customer service department at 800-666-6889.

THERE'S THE SPIRIT!

While browsing the bulletin board for Hornet 3 from Graphic Simulations this morning, I came across a couple of PC users commiserating about the difficulty of loading the new patch file and getting it to run. This was replied to by an obvious Mac addict in the following manner:

> AHHHHHHH! LONG LIVE APPLE!!! AHH-HHHHHHHHH!!!!!! "Tally On the PC... Locked...FOX-ONE!!!"

>

> Sorry, got a little carried away....

—MICHAEL EMRYS

THAT'S PRETTY STRONG LANGUAGE

What?! What do you mean I didn't win?! So you're saying I didn't get Mac OS 8? I didn't



win the contest? Of course I understand what "no" means! After all my hard work, my hours of finding more than 300 words that come from "Macintosh Rules," all that time spent writing them down, double checking, triple checking, and alphabetizing those words were meaningless?!?! DARN YOU! DARN YOU TO HECK!!!

Whew! All right, I'm calm now...kinda. I'd like to apologize for shooting my mouth off. It was actually kinda fun finding out that 300 words come from "Macintosh Rules"—about as much fun as running a mile. I guess I'm just kind of mad because I didn't win Mac OS 8...kinda mad, I was fuming. So in parting I'd

just like to say...DARN YOU! DARN YOU TO HECK!!! —GREG SHIN, THOUSAND OAKS, CA

THANKS. WE'LL REST EASY NOW

This is in response to Chris Charla's letter (Oct97/p8) regarding Apple's icon lawn. I would just like to point out that all of the "icons" on Apple's lawn are cursors, including Clarus the dogcow. "But where," you ask, "can I find this Clarus cursor?" Why, in Apple's own Disk Copy utility! Not only does Clarus wag her tail in the animation,

but she also performs an acrobatic flip while you wait! So, let it bug you no more—Clarus is a cursor. —PATRICK GIERKE, WILMINGTON, DE

YOU JUST DON'T LISTEN, DO YOU?

"You wouldn't use a microwave to toast a Pop-Tart." (Sept97/p30). I'm trying it.... The microwave won't toast it, per se, but it does get the filling piping hot! Maybe a nice change of pace. Oops, the package says not to do that. I wonder why...Aaaaaaarrggghh!!! My tongue!!! It's melting!!! —A.C. FREEMAN

EXAGGERATE MUCH?

So, I get this email...and it's from MacAddict! Apparently you finally discovered my stupendous, one-day-to-put-Bill-Gates-out-of-business programming skills via my new shareware game, WhackIt!. This threw me for a bit of a loop. Since this magazine's inception I had tried vainly to get published in the Letters section (so I would be "famous" and "cool" to all the people that aren't—no offense), and it would appear that I had the whole idea wrong. I didn't have to go to all that effort of desperately trying to figure out new ways to suck up to you people, coping with AOL's mail service, etc. All I had to do was spend an insane amount of money on software, drive to New York (among other places) looking for understandable books on programming, ruin my eyesight by trying to



GET ON, GET ACTIVE. Talk to us and to other Mac addicts at the Web site.

RECENTLY SIGHTED

A MAC OF A DIFFERENT COLOR

A lot of you have written in to MacAddict asking how to go about custom-painting your Macs. Alex Johnson (xjohnson@seanet.com) has figured it out. "My paint job was inspired by the Dodge Viper GTS Coupe. Even though the pictures look pretty black, rest assured the color is much better in real life. And yes, the CD-ROM tray, power-on light, and the trim along the back and bottom are chromed. It's supereasy to do, given



some masking tape, liquid frisket, and a few cans of Krylon spray paint. Just make sure you can take the case off your Mac to be painted. Come up with an excuse for your PC friends though, like "Your Pentium will melt with all the extra heat that the paint will trap in" or maybe you could just be blunt and tell them "Your PC isn't cool enough to have a custom paint job." Note: Neither MacAddict nor Alex takes any responsibility *whatsoever* if you drop a can of paint into your open Mac, or do any other silly thing.

"WAV blew me away."

Create media-rich, living documents with the first 'net-enabled word processor.



Imagine the control and the freedom to focus on your documents, instead of on bloated, "legacy" applications. You decide what functionality you need, or don't need, and you plug it in. **Imagine the power of components helping you work faster and easier in an intuitive workspace** with true

"WAV is the spiffiest word processor to come along in several years. It's elegant and intuitive, and its integrated Internet services are a godsend."

— Mac Addict, March '97

drag and drop capabilities. With WAV, simply grab and place nearly anything you want to

utilize in your documents—period. Java™ Applets, URLs, component parts, Netscape™ plug-ins, e-mail text files, Word™ and WordPerfect™ files, HTML files, PICTs, GIFs, JPEGs, graphs, sound files and QuickTime™ movies all become integrated parts of WAV documents—not just links to system-consuming, traditional applications.

Imagine utilizing 'net data instead of just browsing it by dragging websites, information and 'netfiles across your screen and dropping them directly into your documents. With WAV, the Internet

is built in, and truly becomes your own personal document resource. **Imagine the flexibility of embedding cyber-buttons with direct links to netsites**—



MacWorld Expo '97 - Apple's® Component Theatre helps Macintosh users from around the world experience the simplicity and power of WAV.

or if you prefer, *embedding the sites themselves as living parts of your documents. Imagine virtually no learning curve* and great compatibility with all your old stuff.

Stop imagining. Catch the WAV.



The Next Generation Desktop™

Call 800-759-2204 to order!
only \$69.99 (+ shipping/handling)

or download your free trial version at:
www.dharbor.com



DIGITAL HARBOR, L.C.™

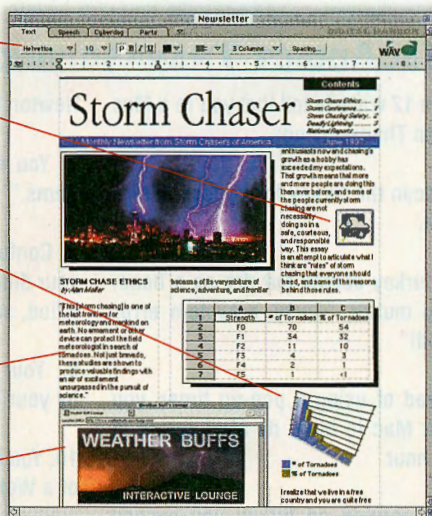
Folder Bay - Simple-to-use, easily accessible text controls are located here. You can also add your own project folders!

Cyber Button - Create single-click hot links from within your document to any Web, network, or other file location. Instantly launch local applications, sound or movie files, images and more.

Embedded Part - WAV Documents are living documents: where components can interact with each other—as well as with WAV. In this case, "Numbers & Charts" (component parts from Adrenaline™ Software) display data in an active-3D graph linked to a spreadsheet. As data is edited, the graph automatically updates.

Dynamic Text Wrap - When you drag a part into your document, you'll see how existing text wraps around the part as you move it—all in real time!

Embedded Web Page - Never before has a world-class word processor come with built-in Internet navigation, browsing, viewing and retrieval tools as a part of its control panel. When you open documents, WAV automatically opens live home pages or other embedded sites.



Other straightforward editing features include full tabs, colored text, search and replace, AppleGuide help, text to speech, word count, justification control, and full line-spacing. Most people only use about 3% of the text-editing features found in their traditional word processors. Now, you no longer need to lug around all that stuff! With component technology and WAV, if you need extra text-handling features, simply plug them in later.

*WAV installs complete with OpenDoc, Cyberdog (Net Browser, E-mail, Net Search, CyberButton, Net Management), C100™ Components LEXI & C-TextBox, and Apple Live Objects Essentials (QuickTime™ Viewer, Image Viewer, 3DMF Viewer, Apple Draw, Apple Audio).



Freakin' Awesome
rating, Mac Addict
Magazine, March '97



1997
Editor's Choice
and 5-star
technology rating.



BEST
OF SHOW
MacWorld Boston '96



Component 100
MEMBER

WAV incorporates the power of other Component 100™ Member companies including Cyberdog, Softline, and Corda. For more information on other component parts, visit the Component 100™ webpage at www.c100.org. Digital Harbor, L.C. are trademarks of Digital Harbor, L.C. All other trademarks or tradenames are the protected property of their respective owners. System Requirements: Macintosh/Power Macintosh, component application size: 1.6 MB, suggested memory: 8 MB (virtual memory on); 16 MB (virtual memory off) MacOS version 7.5.1 or later, OpenDoc 1.0.4 or later. Digital Harbor, L.C., 167 S. Orem Blvd., Orem, UT 84058, www.dharbor.com, (801) 224-5184, fax (801) 224-5183. ©1997 Digital Harbor, L.C. All rights reserved.

Buy C.

Brag about it.

Put it on your shelf.

Get frustrated.

Buy some books.

Try to learn it.

Pull your hair out.

Buy some more books.

Give up.

Now go buy

FUTUREBASIC

and get some

work done!

Discover the power

800-348-2623

STAZ SOFTWARE, INC.
WWW.STAZSOFTWARE.COM

read *Learn C on the Macintosh* (the printed version of which I could not afford), get carpal tunnel syndrome from typing in hundreds of lines of code, and lose contact with the entire world by spending 19 hours a day trying to figure out what makes a "bus error" happen, and I get published not in the crummy letters section but in the way-cool CD-ROM! Simple, huh? Geez, if only I'd known that a year ago (no, wait, that wouldn't help, it took me a year anyway!). Of course I know you cannot allow this information to get out, since you would be flooded with all kinds of wonderful, commercial-quality software from little snots who are giving it away as freeware just to get published in your mag. I understand that you must prevent this from occurring, but nevertheless wished to share this revelation with someone, and I chose you guys since all my friends now put their hands over their ears and hum old Michael Jackson tunes loudly whenever I come near. I do appreciate the publicity though (a free subscription would also be nice), and the next time I complete a game I will be sure to will it to *MacAddict* before I collapse onto the keyboard. —MATTHEW "MATT-BOB"/"MATT THE GREAT" JOHNSON

SAD GOODBYES

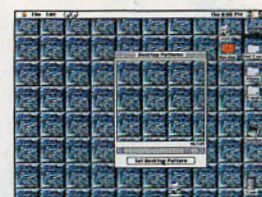
I'll get straight to the point. It's been a very bad year. My very close friend, the man who introduced me to the Macintosh and your excellent magazine, died in April. Could you dedicate an issue of *MacAddict* in the memory of Jason

Koviack (1974-1997)? He was undoubtedly the most fanatical and devoted Mac addict I will ever know as well as the most convincing Mac evangelist. I threw away my IBM clone and became a Mac addict in his example. He was a very dear friend and he will be sorely missed by his family and friends. His personal Web site is at <http://pilot.msu.edu/user/griffusj/bishop/default.html>. —MARK SABOURIN

I'd like to say a late goodbye to a Mac addict and science teacher who has retired from the Acton RJ Grey Junior High School. Her name is Mrs. Keene. BYE MRS. KEENE! —ADAM ARNST

WHOOPEE

I've done it!!! I've perfectly aligned my desktop control panel on my screen so it fits with the rest of the pattern. —IAN KURZ



SORTA IS RIGHT

Here's a sorta-funny story for you. I remodeled a very small attic in my house to create a computer room which now houses two Macs. The only problem was that it had no ventilation and got very hot in the summer. So this summer I put in a window. I mentioned my new window to a PC-using friend of mine who responded, "You put Windows on your Mac?!!!" I guess I never realized how cool my windowlessness really was. —ROB ABRAM

A MACADDICT THANKSGIVING

Here are 12 ways to tell that you're a Mac addict on Thanksgiving:

1. You scan the turkey for viruses before eating it.
2. The turkey comes out dry as a bone, and you mutter, "Sorry, a system error occurred!"
3. Instead of using a pop-up timer, you set your Mac to blare its alert sound in half an hour.
4. After gorging on turkey you excuse yourself from the table like this: "Excuse me, I have to go download, then I'm going upstairs to Shut Down."
5. Your family couldn't come visit, so you cram the turkey in your scanner and try to send it via email.
6. You store your turkey recipes on your

Newton Message Pad 130.

7. You mark your leftovers "Temporary Items."
8. Confused between MHz and degrees, your dial is set to 225, but you aren't satisfied, so you look for an MP cooker.
9. Your turkey is perfectly cooked—by your Mac running an AppleScript.
10. You bought a Macintire turkey instead of a Worshone 95 ounce. (Get it?)
11. Your Wintel machine works wonderfully—as a meat tenderizer.
12. When your stomach starts to ache, you run SAM and Norton Utilities to find the problem.

Happy Thanksgiving everyone!
—JOE DiDONATO

Free Internet Access

FOR EVERY NEW MEMBER YOU REFER,
YOU WILL GET A MONTH OF **FREE** INTERNET ACCESS.
IT'S THAT SIMPLE.

No catch, no strings - the program is open to all EarthLink members.

Every month, we give thousands of our members free access. In fact, some of our members refer so many people, they never have to pay for their Internet access.

Our free access program is just one of many benefits EarthLink members enjoy. If you're not getting free Internet access from your current provider, give us a call.

1-800-815-1932, ext. 102

*For details on EarthLink Network's Referral Program check out http://www.earthlink.net/company/free_access.html

© 1997 EarthLink Network, Inc. Trademarks are the property of their respective owners. All rights reserved.



It's your Internet.™

EMAIL
UNLIMITED INTERNET ACCESS
FREE 24-HOUR HELP LINE™
PERSONAL START PAGE
33Kbps/56Kbps
NATIONAL ISDN
FREE 2MB WEB SITE
OVER 810 LOCAL DIALUP #'S
NEWSLETTER
INTERNATIONAL ROAMING
NEWSGROUPS
FREE INTERNET USER GUIDE
COMPLETE SOFTWARE FOR WINDOWS OR MAC
CHOICE OF BROWSER
800# ACCESS OPTION



the disc

the disc

So many attention-devouring games that we dare you to get any work done.

HIGHLIGHTS



Click here and you'll be able to try these tasty morsels.

SOFTWARE



Get full descriptions of all this great software, then install it!

CONFIGURE



The Config button on the main screen brings up this handy dialog box. Use it to change the music track, adjust the volume (or mute it), select your browser for Web links, and see credits for the music tracks.



INDEX



Click here for a handy jumping point to all the screens on The Disc, including the contest.

DEMOS



Launch demos of Battle-Girl, Monster Maker, Quake, and Starbound.

This month we have a prime selection of games and other cool toys that will keep you happily occupied and inefficient for hours. Our staff video reveals our quiet, intellectual sides while Kathy, Wade, and Robert take their aggressions out on yet another PC. Enjoy!

—Jennifer Gwartz

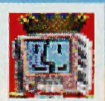


GETTING STARTED

1. Pop The Disc into your CD-ROM drive.
2. Double-click the MacAddict Tour icon for Power PC or 68K Macs.
3. Have fun!

REQUIREMENTS

Any Mac can access the shareware, demos, and System software from the Finder. Accessing the full CD-ROM interface requires 12MB of real RAM with System 7.1 or earlier, or 16MB of real RAM with System 7.5 or later.



GETTING HELP: Problems with The Disc? Go to <http://support.imagine-inc.com>.

SAVE \$70!!!
Aladdin FlashBack™ is
on Your MacAddict CD
TRY IT FREE FOR 15 DAYS
Then get it for just \$29.95

Now, recover things even Norton can't

Introducing Aladdin FlashBack™

FlashBack your work and you're protected.

Protected against loss by accidental deletion, file corruption, *even from hitting the save key and over writing your file.* Aladdin FlashBack is a whole new way to protect your files.

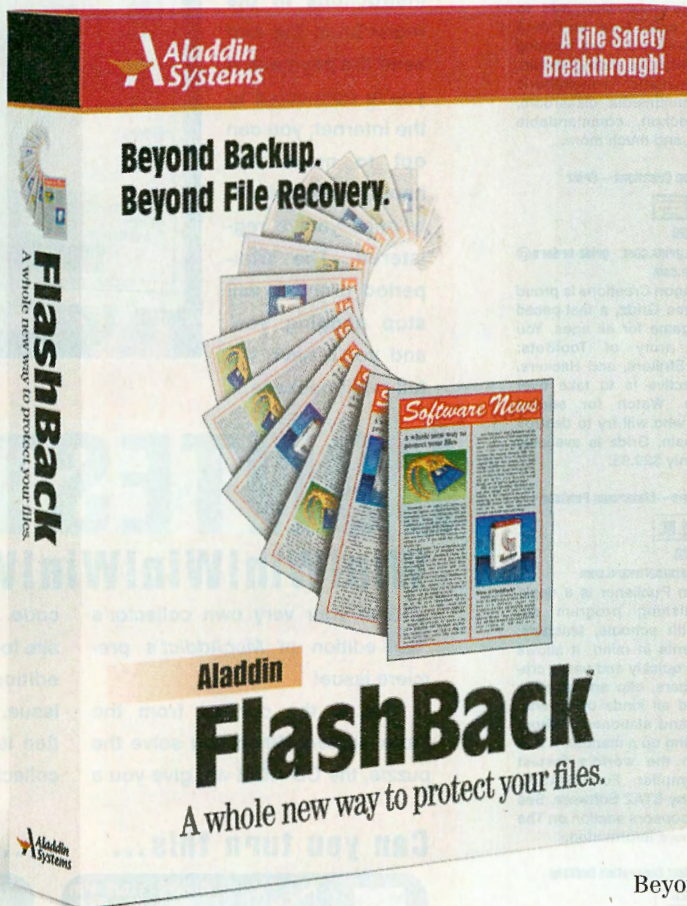
With FlashBack you can recover not only lost or damaged files, but even previous versions of files that you changed, even if you made the changes months ago.

Unlimited undos

Discover the power—and time savings—of unlimited undos. FlashBack tracks changes made to a file every time you hit Save. Recover from changes even after you've quit your application, turned your computer off and gone home. If you ever saved a FlashBacked file, you can recover it exactly as it was at that time.

Works on any file

If your application saves files, FlashBack will protect you. From word processors to graphics programs, from databases to spreadsheets, from HTML to C++.



Save Disk Space

Keep multiple versions of your important files without gobbling up disk space. FlashBack makes only one complete copy of your file. Previous versions are tracked through tiny "diff" files containing only the changes, or differences, between one version and the next. The result? You can save five, ten, twenty or more versions of a file in less room than you would use hitting 'Save as' just a couple of times!

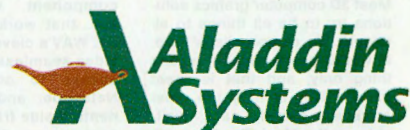
Time & Date

Stamping FlashBack time and date stamps each version it saves, making it the organized alternative to cluttering up your folders with cryptically named 'Save as' files!

It's a new level of protection. Beyond backup; beyond file recovery. FlashBack gives you a whole new way to protect your files and save your sanity.

Instant file recovery Restore any file you've protected just by double clicking. No confusing procedures, no complex operations. It doesn't get any faster or easier.

Plus, FlashBack works with both local and networked files.



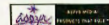
(800) 732-8881 www.aladdinsys.com

©1997 Aladdin Systems Inc. All trademarks are property of their respective owners.

OUR DISC SPONSORS

To find immediate information from our sponsors, go to the Index (option-click any help screen). You also can access sponsor information from the main window in the Finder.

Aspyr Media



888-212-7797
http://www.aspyr.com

Shattered Steel

Congratulations, you've been elected to save the human race. Here are your nukes. Fifty adrenaline-pounding missions, plus 15 multiplayer missions with up to 16-player network battles (or cooperate to complete the entire game) all on a fully navigable, ultrarealistic, voxel-rendered terrain. Arm your Planet Runner with blazing firepower—more than 25 armaments, including: Gatling guns, guided missiles, fuel-air mortars, and plasma cannons. This is no simulation but fast and furious total 3D warfare!

Bonkheads Deluxe

Race through 190 levels of unparalleled chaos as you control Grag & Thog Bonkheads on their mission to rid the underworld of marauding pests. Stunning graphics and an included level editor will keep you playing 'til the wee hours. Play alone, two on the same computer, even networked. Combat your way through 12 different underworlds such as Ancientville, Waterville, Trollsville, and more. So addictive, you'll develop a hump!

Mah Jong Parlour

Play the game of tiles and strategy—solo, networked, or over the Internet. Mah Jong Parlour is the true game of mah jong, which is similar to gin rummy but has intriguing subtleties for engaging gameplay. MJP is easy to learn and a challenge to master!

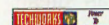
Earthlink—TotalAccess



800-395-8425
http://www.earthlink.net

TotalAccess is Earthlink's complete software and Internet connection package. It includes Netscape Navigator, award-winning Internet access software, and everything needed to register for complete Internet access in less than five minutes. After the \$25 setup fee, unlimited access is provided for \$19.95 per month. 'Round-the-clock tech support is provided via an 800 number.

TechWorks—Power3D and PowerCPU

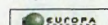


800-888-7486 (ask for Game Guy)
http://www.techworks.com

Upgrade your PowerPC to a Power Arcade! The Power3D card is dedicated to bringing you the best performance available for Mac OS 3D games. Most 3D computer graphics solutions try to be all things to all people. No compromises here. Power3D was designed for one thing only, and that is great games! This is truly the most awesome gaming card available on the Mac! The Power3D does not replace your 2D graphics; it works with your existing

graphics card to provide you the absolute in 3D performance. Install the Power3D in your PowerPC (requires one available PCI slot in your system), and use the provided pass-through cable to turn your PowerPC into a Power Arcade system!

Europa Software—Web Quick



http://www.europasoft.com

Frustrated by Bookmarks? Web Quick tracks every page you visit and automatically organizes them by site. It lets you create custom topics—and keeps them all at your fingertips with handy pop-up menus. Web Quick even converts existing Bookmarks. No wonder MacWEEK called it "the first Web utility that is essential!"

Graphic Simulations—F/A-18 Hornet



800-580-4723

http://www.graphsim.com

An award-winning flight sim utilizing cutting-edge technology creates a truly fluid, high-speed graphic adventure. Multiuser network battles and a richly detailed multimedia classroom add to this Mac epic. New to F/A-18 Hornet version 3.0 are exciting features such as rolling terrain, highly realistic atmospheric effects, multimedia classroom, virtual cockpit, commandable wingmen, and much more.

Green Dragon Creations—Gridz



888-624-0200

http://www.gridz.com; gridz-orders@greendragon.com

Green Dragon Creations is proud to introduce Gridz, a fast-paced strategy game for all ages. You lead an army of ToolBots: Builders, Strikers, and Hackers. Your objective is to take over NetSpace. Watch for enemy Toolbots, who will try to destroy your domain. Gridz is available now for only \$29.95.

STAZ Software—Classroom Publisher



800-348-2623

http://www.stazsoftware.com

Classroom Publisher is a desktop publishing program designed with schools, teachers, and students in mind. It allows anyone to quickly and easily create calendars, clip art, greeting cards, and all kinds of reports, banners, and stationery without even picking up a manual! It was written in the world's fastest Basic compiler, FutureBASIC, also sold by STAZ Software. See the Our Sponsors section on The Disc for more information.

WAV—The Next Generation Desktop



801-785-2115

http://www.dharbor.com

WAV is the first Net-enabled component word processor...that works the way you do. WAV's clever interface provides seamless and immediate access to other OpenDoc, Netscape, and Java components. Aside from the ability to contain parts, WAV can also be embedded into other OpenDoc parts.

SOFTWARE STORE

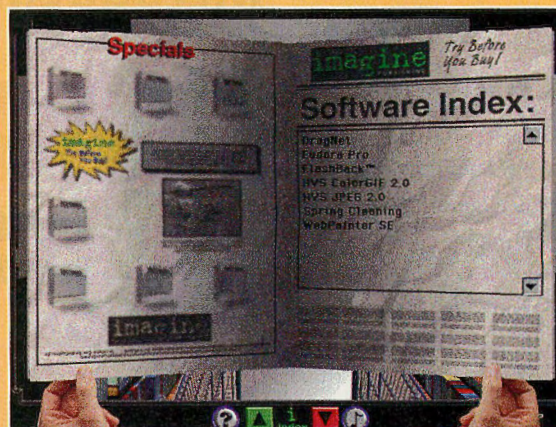
New!New!New!New!New!

Try Before You Buy

Armchair shoppers, rejoice! The MacAddict Software Store is open for business. Each month, we'll bring you full trial copies of great software so that you can give them a shot before committing the contents of your wallet.

To reach the store from the CD, go to the Index and click on the Try Before You Buy button. Once you're in the store, click on the Index button at the bottom center of the screen for our product list. Click on the name of the program that you want to find out about. If it looks good, then click on the Try It button to install.

The try-before-you-buy products featured in the store will run with all their functionality for a limited number of days or launches. If you decide to buy a program, just follow the instructions in the registration file and send the payment. If you're connected to the internet, you can opt to make this happen automatically once you've registered. The trial-period prompts will stop nagging you, and you'll have the full retail package.



CONTEST

Win!Win!Win!Win!Win!Win!

Get your very own collector's edition of MacAddict's premiere issue!

Get to the contest from the Index screen. When you solve the puzzle, the CD-ROM will give you a

code. Enter this code on the Web site for your chance to win a special edition of MacAddict's premiere issue. This fabulously rare acquisition is a great way to fill out your collection!

Can you turn this...

...into this?



Who wants some Wang?

FRESH FROM THE CREATORS OF DUKE NUKEM 3D™

Lo Wang's SHADOW WARRIOR™ for Macintosh®

LO WANG IS COMING TO THE LAND OF THE RISING SUN

TO TURN OUT THE LIGHTS. SHADOW WARRIOR.

THE ZEN IS GOING TO HIT THE FAN.

AVAILABLE
NOW



MORE DETAIL, INTERACTIVITY, GAGS AND
HILARIOUS LO WANG SPEAK THAN
DUKE NUKEM 3D.



SWIM, DUCK, JUMP, DRIVE VEHICLES,
CLIMB LADDERS, GO ANYWHERE,
DO ANYTHING.



THROWING STARS, KATANAS, UZIS, FOUR-
BARREL SHOTGUNS, RAIL GUNS,
GOREWEAPONS... THE BIGGEST, BADDEST
ARMORY IN GAMING HISTORY.



BUILT FROM THE GROUND UP FOR THE
ULTIMATE "WANG BANG." CHOOSE FROM
DEATHMATCH, CO-OP, TEAM PLAY OR
CAPTURE-THE-FLAG MODES.

Created by

Mac conversion by

3D
REALMS

Lion
ENTERTAINMENT, INC.

800-229-2714

Call for a free catalog or visit our website at www.wizworks.com

Shadow Warrior™ © 1997 3D Realms Entertainment, Inc. Lo Wang and his likeness are trademarks of 3D Realms Entertainment, Inc. All rights reserved. All other trademarks are property of their respective owners.

Available at

**BEST
BUY**

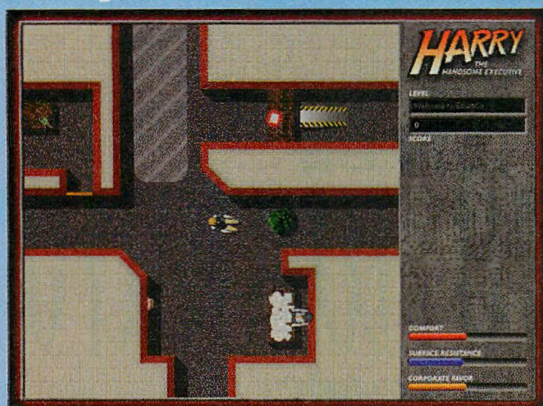
MacSoft®

An Affiliate of GT Interactive Software
2300 Berkshire Lane, Plymouth, MN 55441 612.509.7600

the disc

SHAREWARE GAME

Harry The Handsome Executive



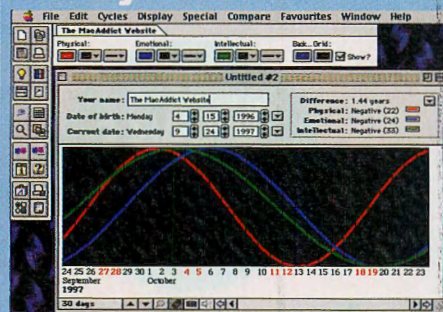
Those geniuses at Ambrosia Software have done it again! Harry is truly debonair as he glides on his cushy rolling chair through the hallowed offices of ScumCo, kicking in doors and dodging darts thrown by bored coworkers. This terrific game has inspired many a guffaw from the MacAddict staff during games played with the convenient excuse that we had to write something about it for our wonderful readers. Not only does it play with popular espionage movie themes, but it pokes irreverently at the corporate culture that keeps so many of us in donuts and coffee. For the younger

set, it's great practice for the future in more ways than one. As for the technical aspects, the key commands are simple to learn, the game is responsive and its varied dynamics can keep even the attention of a person who is easily bored with computer games. Ambrosia has shown us, yet again, that shareware can be synonymous with top quality and intelligent programming.

MacAddict16:Software:Fun & Games:Harry the Handsome Executive

INFOGIZMO

Biorhythms



Instead of fighting your winter blahs, go with the flow of your natural patterns. This hefty shareware program figures out when your physical, mental and emotional states are at their prime based on your birth date. You can even compare your results with individuals such as Prince Charles, Madonna or Elvis. There are also custom settings for colored and textured backgrounds as well as attractive color adjustments to create detailed charts.

MacAddict16:Software:
Information:Biorhythms 6.02c

GAME

Battle-Girl Demo



Not for the faint of heart, this game is definitely for adrenaline junkies. Our fave heroine is the perfect manga muse, a wide-eyed futuristic female from that chic genre of Japanese animation. When you jack into her reality, you rumble through a dystopian cyber-world as you drive her incredibly cool tank-like vehicle. Your mission is to restore universal order by

shooting programmers sent by the evil robot intelligence, Terminus. Hurry, because if you don't recover enough of the function pods, Terminus will come after you! It's the stuff that nightmares and old, dark arcades are made of. It's also great to see a girl, Valley-chick accent and all, shooting up the bad guys and saving the world.

MacAddict16:Software:Commercial Demos:Battle-girl Demo

WINNER!

Congratulations to Bob Maguire of Regina, Saskatchewan who won our September contest. The prize is a full version of Duke Nukem, the game famous for its joystick-crazy intensity. Have a great time, Bob! Don't forget to eat.

DISK & FILE

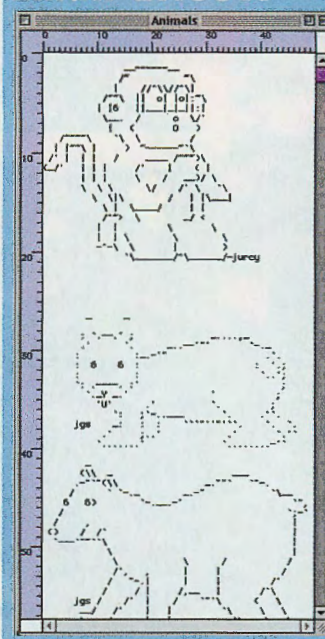
DiskTracker 1.1.2
NameCleaner 1.7.0
Yank 2.0

UPDATES

FS Pro 1.2.9/1.3.3
Quake 1.08.2
Quake 3Dfx 1.08.2
Quake RAVE 1.08.2
Toast 3.5.2

COMMUNICATION

Email Effects



For a fun and attractive way to waste bandwidth, try this nifty little program which generates old fashioned ASCII paintings for email decoration. You can choose from among the images included in the application or create some yourself. Painting tools include basic characters such as dashes, equals symbols and asterisks. The process is simple and makes your signatures chically recall those early Internet years.

MacAddict16:Software:Text:
Email Effects 1.2



"WOMAN WITH A FLOWER" *by* PAUL GAUGUIN 1891



"BALL AT THE MOULIN DE LA GALETTE" *by* PIERRE AUGUSTE RENOIR 1876



"LINKS LS MACINTOSH" *by* ACCESS SOFTWARE INC. 1997



NEW LINKS LS FOR THE MACINTOSH—TRULY A WORK OF ART

Seconds after Links LS Macintosh lights up your screen you may feel compelled to frame it. With up to 16.7 million colors, nothing compares to the detail in every leaf, blade of grass, and skyscape on the newest addition of the world's most award-winning line of golf simulators.

Links LS Macintosh proudly features the Grand Master of Golf, Arnold Palmer. You'll marvel as the legendary Arnie tees off as a movie-quality 30 frame per second animation. Packed with 54 of the most beautiful holes in golf, Links LS Macintosh features the Kapalua Plantation and Kapalua Village courses in Maui, along with Arnie's home course at Latrobe Country Club, near Pittsburg.

Other features include modem/network play, fog and microtextured grass, more realistic ball-flight dynamics, 3D virtual reality tours and exclusive multimedia footage. For more information call 1.800.800.4880 or visit us at

www.AccessSoftware.com. Frame not included. Requires PowerPC



4750 Wiley Post Way, Bldg. 1 Ste. 200
Salt Lake City, Utah 84116
801.359.2900 Fax 801.359.1273

LinksLS
Macintosh



the web site

NOVEMBER/DECEMBER

By Jennifer Gwartz

the disc

MONDAY

17 Our **Site of the Week** is a sight to be seen, a sensational center for scintillating graphics.



TUESDAY

18 After poking a *MacAddict* staffer into an unexpected intellectual frenzy, a brilliant **Web Exclusive** is expected any time now.

WEDNESDAY

19 Our online editor puts on his big thinking cap with the blinking lights so that he can answer your questions for the **Weekly Q&A**.

THURSDAY

20 On this glorious Repentance Day (Germany), we choose that one great application that's often taken for granted as our **Shareware Pick of the Week**.

FRIDAY

21 You are cordially invited to our **Reader Art Gallery** installation which pays homage to the linguistically athletic practice of *MacAddict* propaganda!

24 Did you know that *MacAddict* has its very own fancub? Come on by and find out more about the *MacAddict*philes of the *MacAddict* Booster Club for our **Site of the Week**.

25 Look into our magical crystal ball as we divine the contents of our January issue.



26 We are all thankful for our online editor as he dons his thinking cap yet again and allows himself to be strapped into the **Weekly Q&A** chair.

27 Our holiday makeover should be ready for this Thanksgiving weekend, so check out the new dressing. **Happy Thanksgiving!**

28 Today all good *Mac* addicts should be at home, thankful for the day off. See you on Monday.

1 Mirror, mirror on the wall, which Web site is on the ball? Check out our **Site of the Week** and see!

2 Since we here at *MacAddict* are recovering from a turkey overdose, it's up to you to supply the entries for a **Reader Art Gallery** update.

3 He's eaten his fish and gotten some sleep. Our online editor is champing at the bit as he prepares for the **Weekly Q&A**!

4 The **Shareware Pick of the Week** is wild, chaotic, full of safety pins and loads of fun! Why? Because we feel like it!!!

5 In honor of that master of verbiage, Calvin Trillin, who was born today in 1935, we feature a brilliant **Web Exclusive** by one of our illustrious staff.

8 The **Site of the Week** will warm your heart after that nasty commute, so pour yourself a cup of coffee, munch on a donut, and enjoy!

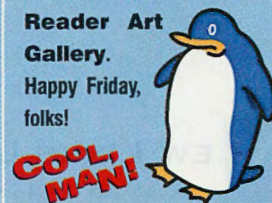
9 It's a bird, a plane...no, it's an invasion of groundhogs on the horizon as we preview our February issue!



10 Why is a carrot like an OS 8 extension? Holy system bloat, Batman! We'll dig up the answer for this and other obscure phenomena in this **Weekly Q&A**.

11 As the days grow shorter, so do we. Just kidding. On the other hand, the **Shareware Pick of the Week** is short, sweet, and simple. Enjoy!

12 Our weekend begins with another installation in the **Reader Art Gallery**. Happy Friday, folks!



TIME WARP!

We've gotten some complaints that the calendar came too late in the month to be useful. To fix things, we're taking the first two weeks of November off!

From the Darkest Reaches of Space He's Been Waiting For You

"The ultimate game
of galactic conquest"

Computer Gaming World

MASTER OF ORION IITM BATTLE AT ANTARESTM

You prayed they would never return. But now, from the deepest reaches of outer space they plan their revenge. Introducing Master of OrionTM II. Discover new technology. Command detailed tactical combat. Come face-to-face with new alien creatures. Use the multi-player feature to challenge friends over a local area network, go head-to-head via modem, or compete in a hot seat game. Whatever you do, lead your team cautiously. Because you must master the ultimate evil before it masters you.

Created by

MICRO PROSE

©1996, 1997 MicroProse Software, Inc. and WizardWorks Group, Inc. Master of Orion and Battle at Antares are trademarks of MicroProse Software, Inc.

Available at your local reseller
or by calling 800-229-2714

System Requirements: Any 68040 or higher Macintosh with at least 8MB RAM, color monitor and CD-ROM drive. Also accelerated for Power Macintosh.

MacSoft[®]

2300 Berkshire Lane No., Plymouth, MN 55441 • 612-509-7600
Call for a free catalog or visit our website at www.wizardworks.com



FellaParts

DESIGNED BY
Edward Fella

170 Illustrations: \$59

Order by phone: (800) 944 9021

Order by fax: (916) 451 4351

Order on-line: www.emigre.com

Emigre[®]
fonts



Whirligig

DESIGNED BY
Zuzana Licko

152 Illustrations: \$59

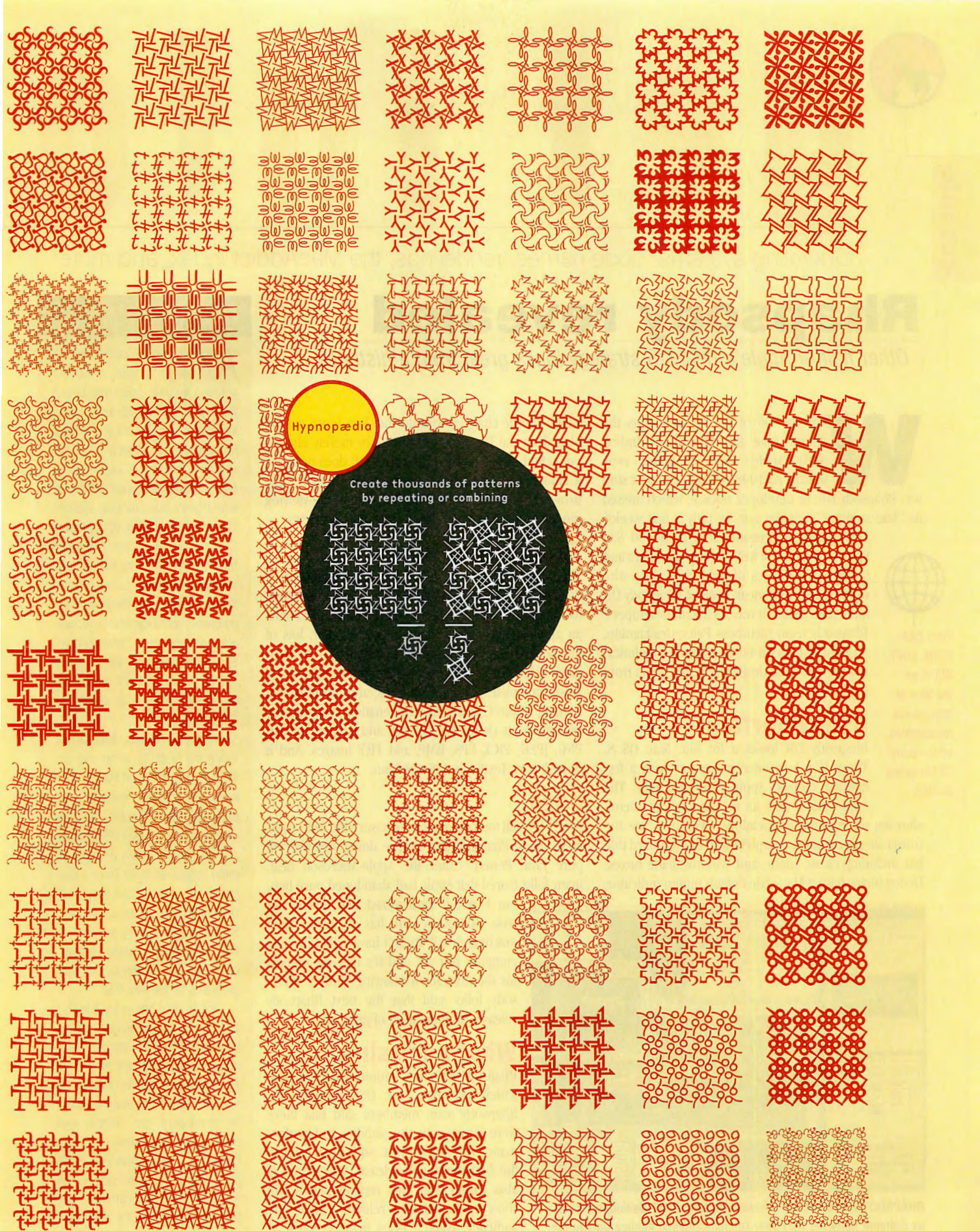
Order by phone: (800) 944 9021

Order by fax: (916) 451 4351

Order on-line: www.emigre.com

Emigre[®]
fonts





Hypnopædia

Create thousands of patterns
by repeating or combining



get info

Operating systems, code names, renderings, the MacAddict Index, and more!

Rhapsody revealed

Other half of Apple's dual OS strategy looks great from a distance

While the OS of the moment tops the charts (see the MacAddict Index, p28), Apple's next OS chugs away toward its 1998 release. The first stop was Rhapsody DR, or developer release, which missed its "late summer" release date by only a few weeks.

The release impressed more than 300 San Francisco bay area NeXT Group members and interested members of the public (us) who were treated to a sneak peek of Rhapsody DR mere days before it was seeded to developers. Rhapsody team members Peter Graffagnino, Ali Ozer, and Scott Forestall gave a technical overview of what developers can expect from the first release.

User interface

Rhapsody DR looks a lot like Mac OS 8. There is a horizontal menu bar with a few familiar menus: Apple, File, and Edit. The Apple menu acts as the Application menu,

showing all running applications. Windows use the Grayscale appearance, complete with the standard title bar including close, zoom, and WindowShade boxes. Dialog boxes have a Mac-style default button indicator,

which can be changed with the Tab key. Icons can be placed on the Desktop, but these are merely aliases, not actual files. However, Rhapsody DR does not have a Finder. Instead, it uses a souped-up Openstep file browser, which at least has the same file-viewing modes as the Mac OS Finder—icon and list views.

Totally cool text

The demo of Rhapsody's text object—the equivalent of the TextEdit toolbox routines—showed why developing for Rhapsody should be very cool. If a developer builds an application using the built-in text handler, lots of functions are included for free. In addition to the standard styled fonts, Rhapsody's text object provides a ruler (complete with tabs, tool tips, and justification), kerning control, ligatures, hyphenation, support for two-byte fonts (kanji was shown), and support for GIF, PNG, JPEG, PICT, EPS, BMP, and TIFF images. And it doesn't have TextEdit's 32K size limit.

Java

Scott Forestall took great pains to assure the folks gathered to see Rhapsody that "we're doing 100 percent pure Java. Period." After the Apple-Microsoft deal, many folks feared that Apple had abandoned pure Java, but Forestall emphasized that this is not true. Rhapsody DR has a Java virtual machine, but it doesn't have a Just-In-Time compiler just yet, and it's missing support for the Abstract Windowing Toolkit. Rhapsody folks said that the next Rhapsody release will include all of Java.

What's missing

Rhapsody DR ships without the Blue Box, which provides Mac OS compatibility. Rhapsody team members said that there were issues with the stability and performance in the Blue Box, so it wasn't put in the first developer release. QuickTime is also absent from this version, but it will show up in a future release. Finally, the audience asked, "Does printing work in DR 1?" The answer: "Yes." —DR

Duality

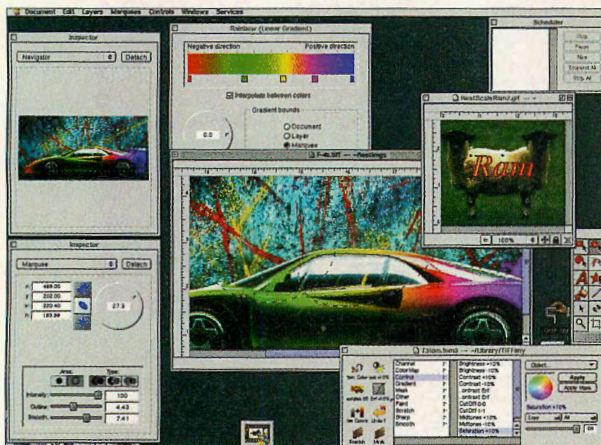
Apple's operating system strategy seems a little confusing at first. Last year, Apple told us that the Mac OS was old and creaky, and that it was a pain in the neck for developers. That's why the company, under the leadership of Ellen Hancock, shopped around for a next-generation operating system. She had the choice of salvaging Copland, licensing the BeOS, or buying NeXT Software and its technology; she chose the last. One of the main reasons Apple gave for the purchase was Openstep's incredible development environment. Since the purchase, the company has been hard at work making the NeXT technology run on Power Macintoshes.

At the same time, Apple is not letting the Mac OS wither and die. The company released Mac OS 8 on time, to incredible success, and plans to release another upgrade next year. So if the Mac OS is creaky and all, why is Apple devoting so many resources to it? From a user perspective, Mac OS 8 is truly great. Developers are the ones who have to deal with the creaky architecture. Apple is working on a way for developers to use Rhapsody to write programs for the Mac OS.

For the next few years, the Mac OS will be the operating system of choice for mainstream Mac addicts. Rhapsody will be a work in progress beyond its release next summer and will be most attractive to developers and people who need high-end servers. In sharp contrast to the Copland/Gershwin path, Apple's current plan is the smartest one the company has had in years—and it's not vaporware. —KT



**FIND CAF-
FEINE SOFT-
WARE** on
the Web at
<http://rescom.stanford.edu/~stani/T2.html#index.html>.



RHAPSODY DR IS MAINLY intended to help NeXT developers such as Caffeine Software port their Openstep-based applications to the PowerPC. TIFFFany, shown here, is a full-featured image processor.

The #1 Selling PC Game of 1997*
Erupts on the Mac

DIABLO™

POWER MACINTOSH®

Game of the Year

– Computer Games Strategy Plus

Game of the Year

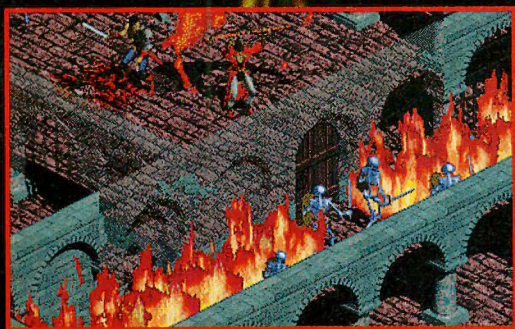
– Computer Game Entertainment

Role-Playing Game of the Year

– Computer Games Strategy Plus

Game of the Year

– GameSpot



www.blizzard.com
1-800-953-SNOW

*Jan. 1997 - May 1997 PC Data; Power Macintosh® is a registered trademark of Apple Computer, Inc. Diablo is a trademark and Blizzard is a registered trademark of Davidson & Associates, Inc. All rights reserved. © 1997 Blizzard Entertainment.

get info

Address Detectors Detected

Become the lord of every URL you survey



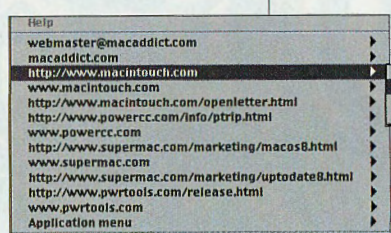
**DOWNLOAD
INTERNET
ADDRESS
DETECTORS**
at <http://www.macos.apple.com/macos8/iad>, then go to MacAddict's Mac OS 8 site at <http://www.macaddict.com/macos8> for more contextual mayhem.

It's the oldest story in the world: Apple develops a cool new technology, then either leaves it to languish unshipped or throws it out into the cold hard world and subsequently ignores it. But now, in a happy synergy, Apple has teamed up the unsung hero known as AppleScript, the oft-demo'd but never-released Apple Data Detectors, and Mac OS 8's celebrated and wildly popular contextual menus to bring us something at once jaw-droppingly awesome and profoundly useful. For crying out loud, it's even Internet oriented. How hip can you get?

This wonder widget formally goes by the unwieldy but descriptive moniker "Internet Address Detectors for Mac OS 8" (IAD, for short). Comprising a Contextual Menu Items plug-in and associated support files, it allows you to select a block of text in any application, bring up the trusty contextual menu, and choose from a laundry list of actions to perform on the URLs (Internet addresses) embedded in the text. Web pages can be browsed or bookmarked, email addresses logged or mailed, Telnet addresses telnetted into, and

more. Beats the heck out of copy-switch-paste.

The most charming aspect of IAD is the way it combines the underhyped power of AppleScript and the long-promised magic of Apple Data Detectors. The latter technology, previously sighted only in Macworld Expo keynotes, is now employed to parse Internet addresses out of the selected text. The various actions you can perform on each address, meanwhile, are actually just AppleScripts stored within the System Folder. AppleScript adepts can cus-



Bookmark in Internet Explorer
Bookmark in Netscape Navigator
Open in Internet Explorer
Open in Netscape Navigator

APPLE DATA DETECTORS DOES ITS THING, sucking every URL out of the materials at hand.

tomize the supplied actions or use them as models to create their own—"Add This Bozo to Emler Filter" and "Download File to Desktop" are just a quick edit away. Like other contextual menu plug-ins, Internet Address Detectors requires a PowerPC-based Mac running Mac OS 8. —MS

Putting it in Context

Mac OS 8's extensible contextual menus have proven an irresistible lure to enterprising developers. By dropping plug-ins into the System Folder's Contextual Menu Items folder (a feature available on PowerPC Macs), you can kit out those handy pop-up menus with new features ranging from the ridiculous to the sublime. The Utilities section of our Mac OS 8 site lists some of our favorite contextual menu add-ons, Web sites devoted to cataloging new arrivals, and other Mac OS 8 enhancers.

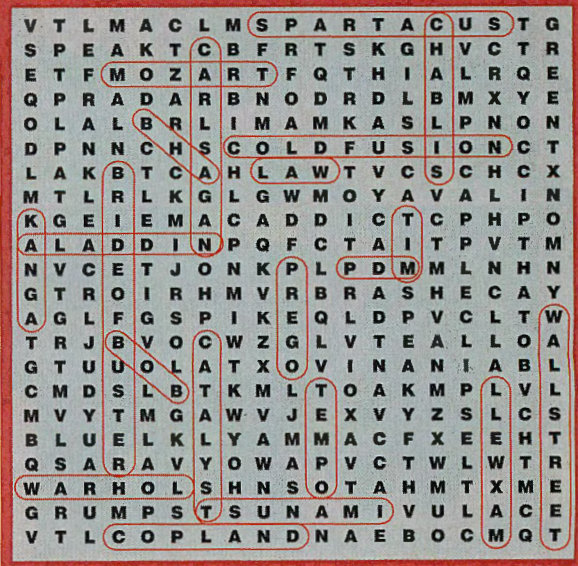
Once bitten by the contextual-menu bug, you may chafe at the constant Control-clicking necessary to bring up those adorable menus. Heavy-duty menu mavens are advised to invest in either a two-button mouse from Kensington or MacAlly, whose second mouse button can be programmed to emulate a Control-click, or Tools & Toys' shareware extension Look Mom, No Hands!, which automatically pops up the Finder's menus when you hold down the mouse button for a second or two.

More Secrets Revealed

It's time to remove last month's MacAddict from the Ziploc Freezer storage bag you have stored lovingly next to your Mac and find out how you did on our wimp-detecting code name word search puzzle ("Crack the Code Name Find" p47). Check the answers below to find out whether you're a wimp or a weirdo. In either case, send our condolences to your mom. —NE

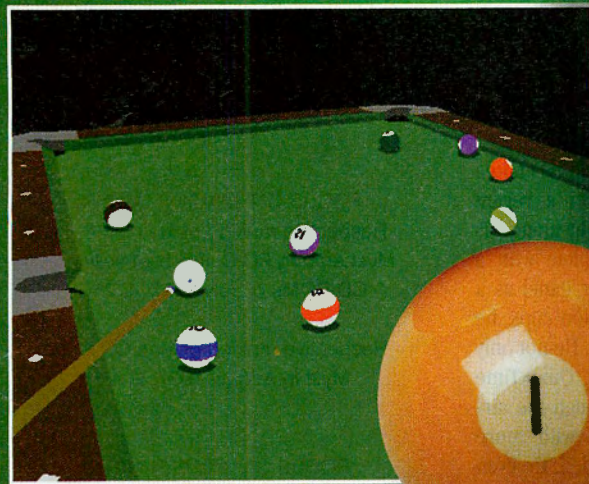
Answers:

- | | |
|----------------|-------------------------|
| 1. Carl Sagan | 11. Prego |
| 2. BHA | 12. Tsunami |
| 3. LAW | 13. Catalyst |
| 4. Cold Fusion | 14. Bride of Buster |
| 5. Spartacus | 15. Bob |
| 6. Copland | 16. Aladdin and Chablis |
| 7. PDM | 17. Kanga |
| 8. Tempo | 18. Warhol |
| 9. Maxwell | 19. Mozart |
| 10. Wallstreet | 20. Tim |



REAL POOL™

There's nothing virtual about it.



Virtual



REAL

Photo-Realistic 3D in Real Time



Includes these Real Pool games:

Straight • 8-Ball • 9-Ball • Rotation • Snooker • Spanish • Many more!

Play against the computer or challenge and chat with your friends over the Internet.

Created by

Coming Soon to Retailers Everywhere!

800-229-2714

Call for a free catalog or visit our website at www.wizworks.com

System Requirements: Macintosh with a 68040 or higher microprocessor, 8MB RAM, color monitor and CD-ROM drive. Also accelerated for Power Macintosh.

©1997 Digital Fusion, Inc.



MacSoft®

An affiliate of GT Interactive Software Corporation
2300 Berkshire Lane No., Plymouth, MN 55441 • 612-509-7600
Call for a free catalog or visit our website at www.wizworks.com

get info

get info

Sign Me Up!

Power Mac 6500/300 winner no stranger to persuasion

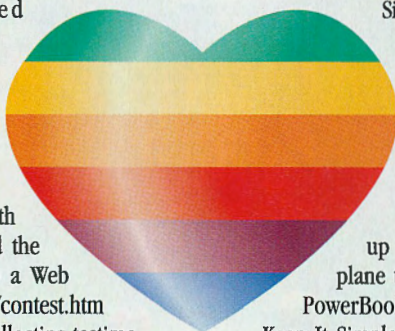
Col. Carl D. Springer earned a purple heart in Vietnam and surely deserves a six-colored

heart in his campaign to convert people to the Mac. In fact, it wasn't Springer who entered our September contest but one of his converts. Loren Simpson of North Canton, Ohio, nominated the colonel and even set up a Web site at <http://hottop.com/contest.htm> to evangelize the entry, collecting testimonials from 40 people who had been (recently) converted to the Mac way by Springer. Simpson had seven PCs when he met Springer early in 1996. He now has five Macs.

The colonel is no stranger to recruitment. When in charge of the U.S. Army 6th Recruiting Brigade, he put together a Web site for recruiters at <http://www.teamwest.com>, using a

Mac, of course. At that page you can also find out how Springer has used the Mac in the course of his Army career (it's the Sirius News link). Springer truly deserves the Power Macintosh 6500/300, and Simpson deserves a huge round of applause for being so selfless as to give up the prize.

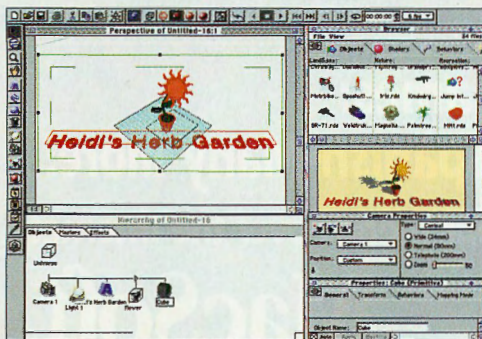
Simpson also has taken up the cause. On a recent plane trip, he brought along his PowerBook 1400, complete with a Keep It Simple Systems Solar Panel as a bookcover. With a couple of suction cups, he attached it to the airplane window. He not only drew a huge crowd by playing QuickTime movies and surfing the Web through the air-phone but also ended the trip with more power than he had when he boarded. He even managed to impress a few Windows users. Way to go, Loren Simpson! —KT



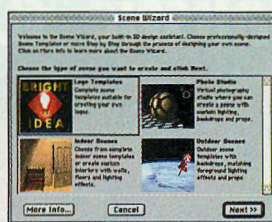
3Delightful

Many a Mac addict would love to create stunningly surreal vistas à la Riven (see "Holiday Games Spectacular II," p44) or, barring that, simply spruce up flat images with a little 3D magic. The high cost of 3D studio software—and the technical knowledge needed to use it—has prevented such dabblers from

getting their feet wet. With the introduction of Ray Dream 3D, MetaCreations breaks down the price barriers and holds the hands of would-be Dalis. For less than \$100 (street), you get the power of a full-blown 3D rendering program with the ease of an introductory product. Ray Dream 3D offers free-form modeling, more than 600 fully editable models, and scads of other presets. The animations and models can be exported into all the standard file formats. Once your feet are thoroughly soaked, you'll be able to upgrade to Ray Dream Studio for \$199. We do not encourage the modeling of giant feet. MetaCreations can be reached at 800-846-0111 or 805-566-6200, <http://www.metacreations.com>. —KT



EVERY ITEM IN A 3D DOCUMENT is easily changed via a series of palettes.



RAY DREAM 3D'S SCENE WIZARD takes away the scary sight of a totally blank page.

getting their feet wet. With the introduction of Ray Dream 3D, MetaCreations breaks down the price barriers and holds the hands of would-be Dalis. For less than \$100 (street), you get the power of a full-blown 3D rendering program with the ease of an introductory product. Ray Dream 3D offers free-form modeling, more than 600 fully editable models, and scads of other presets. The animations and models can be exported into all the standard file formats. Once your feet are thoroughly soaked, you'll be able to upgrade to Ray Dream Studio for \$199. We do not encourage the modeling of giant feet. MetaCreations can be reached at 800-846-0111 or 805-566-6200, <http://www.metacreations.com>. —KT

The MacAddict Index

FOCUS ON: '80S RETREADS!

Length of Mötley Crüe's career, in years: 17

Approximate number of Crüe albums sold to date: 35,000,000

Approximate number of Crüe albums sold per year: 2,060,000

Length of Apple Macintosh's career, in years: 13

Approximate number of Macs sold to date: 28,000,000

Approximate number of Macs sold per year: 2,150,000

FOCUS ON: MAC OS (AGAIN!)

Respective ranking of Mac OS 8 and Myst among PC Data's best-selling CD-ROMs of July 1997: 4, 2*

Respective ranking of Mac OS 8 and Myst in August 1997: 2, 4

FOCUS ON: POWER MATH!

Amount Apple paid to buy back Power Computing's Mac OS license and customer list, in dollars: 100,000,000

Approximate number of names on Power Computing's customer list: 200,000

Average selling price of a new Mac during Apple's 1997 third fiscal quarter, in dollars: 2,400

Apple's average gross profit margin, in percent, during third fiscal quarter: 20

Apple's average net profit on each new Mac during third fiscal quarter, in dollars: 480**

Estimated percentage of Power Computing customers who would have to buy a new Mac in order to recoup Apple's purchase cost: 100%

* Mac OS 8 shipped in the last week of July 1997.

** Profit margin is calculated as (sales - cost of sales) ÷ sales.

Sources may be found on the MacAddict Web site.—MS

Gridztm

a brand new
fast-action
strategy game
for the mac



The battle for the Net
has begun...

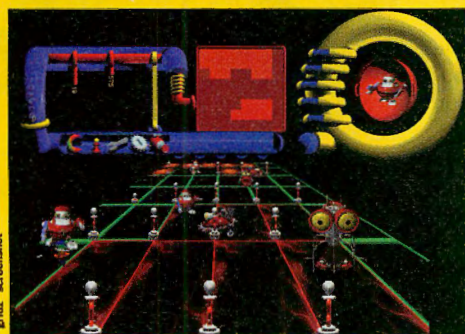
download the demo at
www.gridz.com

To order, call toll-free

1-888-624-0200

only
\$29.95

+ shipping
& handling



"Gridz" screenshot

Brought to you by
Green Dragon Creations



www.greendragon.com

Green Dragon Creations, Inc.
303 Main Street
Water Valley, MS 38965
Voice: 601-473-4225
Fax: 601-473-2122
E-mail:
gamemakers@greendragon.com

Dealer inquiries welcome.



cravings

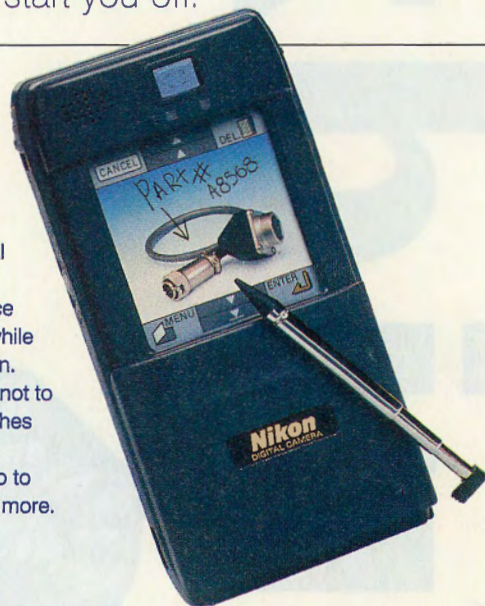
What do you want from life? Six luscious items to start you off.

Coolpix 300

Nikon

As a metanaturalist, it's your job to follow around those folks from *National Geographic* and *Mutual of Omaha's Wild Kingdom* and document their fascinating behavior as they go about their business photographing wildlife. Until now you've had to lug around several notebooks and some mighty heavy camera equipment. Nikon has the tool for you—the Coolpix 300 Personal Imaging Assistant. This combination digital camera and PDA allows you to take up to 66 high-quality or 132 normal-quality JPEG images at 640 x 480 resolution. Once those photos are in the Coolpix 300, you can write on them while they're on screen with the optional DigitalWriter Stylus, a fancy name for a pen. The Coolpix also lets you record up to 17 minutes of audio, so you'll be sure not to miss the sounds of Jim wrestling the alligator to the ground while Marlin watches from the comfort of the helicopter. Round up your \$910, and contact Nikon at

800-526-4566 or 818-879-5700, or go to <http://www.nikonusa.com> to find out more.

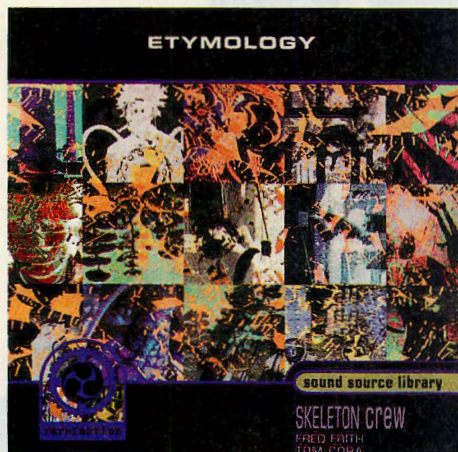


Etymology

rarefaction

Sometimes it's not enough to have just any sound. Take last Tuesday for instance, when you needed to convince the folks at Vassar that you really were worthy to be admitted because of your unearthly audio talents, and all you had to convince them of this were some low-quality samples of Homer Simpson singing a knockoff of the *Flintstones* theme song. And that was a copyright infringement, to boot. Well, fret no more, O aurally challenged one. Instead, delve into the sound library Etymology. This collection of digital audio samples by Fred Frith and Tom Cora will satisfy your sound-sampling needs. (Both artists have worked with Skeleton Crew and many other groups.) With sound titles such as Loose Rubber Sausage, Boiler Room Ambiance, Armageddon, and Low Spasm, there's something here for everyone. Sounds are available in an audio CD version (for \$99) and a CD-ROM version with AIFF files (for \$149). The greatest thing of all is that these sounds are royalty-free, so you only have to pay for the disc once and can forget all about those pesky infringement lawsuits. Call rarefaction at 415-333-7653 or surf to <http://www.rarefaction.com> for more information.

A SUPER SAMPLE OF SURPRISING SOUNDS.



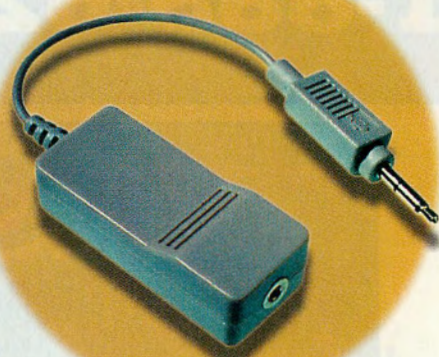
NE Mic audio adapter

Griffin Technology

So often it comes down to having the right tool for the job. Remember when you tried to plug that CD player into the phonograph input on your sister's home stereo, and how, once the smoke cleared, all of the smoke alarms were disarmed, and the firefighters were sent home, you had to calmly explain the situation to her before she could open her purse where "Eddie" the .38 lives? She's a quick draw, and they'll call you

MIX-AND-MATCH MICROPHONES.

"Stubby" from now on. You learned a valuable lesson that day (two, if you count learning how to extract slugs). You learned that you can (and should) prevent any more loss of limb with the NE Mic audio adapter. Avoid making a voltage mismatch with your Mac. For a mere \$19.95, you can get a handy widget which, by converting mic-level signals to line-level signals, lets you use any microphone at any electronics store with any Macintosh. Freed from the confines of Apple's PlainTalk microphone at last! To find out more, contact Griffin Technology at 615-255-0990, or point your Web browser to <http://www.nashville.net/~griffin>.



Flite Tech Mouse Pad

OZ Enterprises

There's something so satisfying about strapping

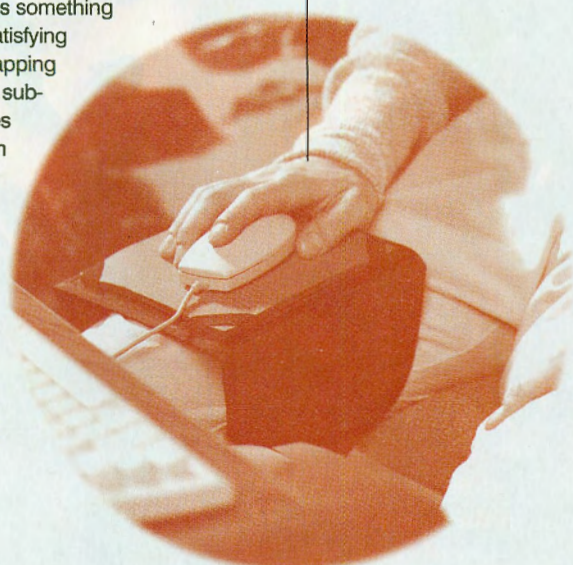
gear onto your body. That's why football players sub-

ject their bodies to years of punishment. It's not the satisfaction that comes from a hard-won battle, or the money and adulation that comes along with a professional football career. Oh, no. It's actually the secret joy derived from a socially acceptable means of strapping on large pieces of plastic. Now, you too can enjoy a little of what pro football players must feel by

QUICK-DRAW MOUSING NOW POSSIBLE.

getting ahold of the Flite Tech Mouse Pad. With a little manipulation and \$19.95, the Flite Tech

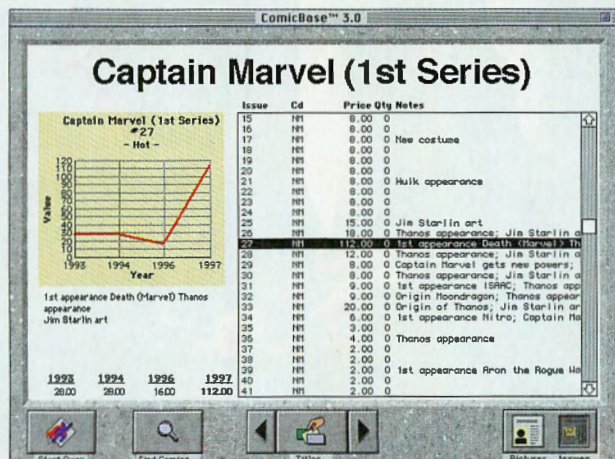
Mouse Pad attaches to your leg, where you then can use your mouse without being near a desk or other flat surface. For added entertainment, you can try strapping a pad to your arm or to your cat's back if you have a really twisted sense of humor—but don't call us when the SPCA comes calling. To find out more, call 800-377-1587 or 206-639-7739, or go to <http://www.ergomousepad.com>.



cravings

ComicBase 3.0 Master Edition

Human Computing



First it started with an occasional purchase, but the insidious spell was worked and you found yourself buying every week, scrounging money from between the couch cushions to support your habit. We're talking about serious comic book collection here, and if you have too many Mylar bags floating around your house, you are among the most serious of the comic-challenged. Keeping track of such a large collection has always been trying, especially with prices fluctuating the way they do. Help is here in the form of ComicBase 3.0 Master

COMICS AS SERIOUS BUSINESS.

Edition. For \$129, this database covers more than 3,300 titles, more than 75,000 issues, and has color cover art and reviews of 850 new titles. You can look at pricing information, search for character appearances, costume changes, and origin stories, and you can also look for individual writers and storylines. Just enter your comics into the database, and find out all you can about your collection. For more information, call Human Computing at 408-266-6883 or go to <http://www.human-computing.com>.

QuickTrieve

Kensington

Harry the Human Pack Rat, they call you, those surface dwellers who don't understand the importance of having the right item available when the situation demands a creative solution. Your collection of CD-ROMs ranks high among the important parts of your total portfolio, but lately, even you're having a difficult time finding what you need among the bales of potato chip bags and the old TV Guide magazines. No more, my friend, not with the advent of Kensington's QuickTrieve. At only

STACK THOSE CD-ROMS.

\$9.99 for the QuickTrieve for multimedia, you can store up to 16 CDs or 18 Zip disks

(another project you've been meaning to tackle), and for a mere \$8.49, you can get the QuickTrieve for Zip disks, which holds nine Zip cartridges. The QuickTrieve towers are stackable (with interlocking legs), and they come with a flat rubber mat for the top tower, on which you could set any number of items. To start cleaning up your media's act, contact Kensington at 800-535-4242 or 650-572-2700, or go to <http://www.kensington.com>.



NOW, JUMP INTO THE OTHER 95% OF THE COMPUTER STORE.

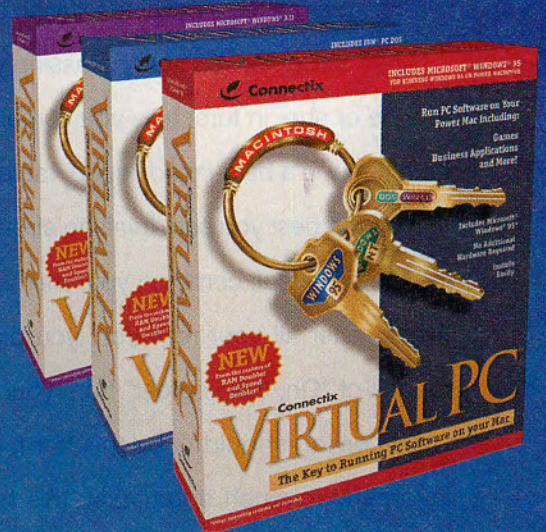
CONNECTIX VIRTUAL PC PRODUCTS GIVE YOU A WHOLE NEW FREEDOM

You love your Mac, but some software is written only for the PC. Here's the solution.

Connectix Virtual PC™ gives you the freedom to run PC software including games, edutainment titles and productivity applications with playable performance on your Power Mac or clone. Connectix Virtual PC product line offers the first, truly affordable, easy-to-use solution for running the universe of PC applications on your Mac.

Easily installed, Connectix Virtual PC is like having a Pentium® MMX™ PC in software. Use your favorite Mac peripherals because Connectix Virtual PC has built-in support for CD-ROM, printing, networking (ethernet), modem, sound and video. Connectix Virtual PC product line is available in three different versions - Windows 95™, Windows 3.11™ or IBM® PC DOS. You can even run other operating systems such as Windows NT™, IBM® OS/2™ and NeXT® OpenStep™ (not included). Switch instantly between Mac and PC applications.

Get Connectix Virtual PC. Then, run the universe of PC software on your Mac.



THE KEY TO RUNNING
PC SOFTWARE ON YOUR MAC



◆◆◆◆ MacWEEK
6/20/97



63 Wonderful Things to Do for a Mac Addict This Holiday

By David Reynolds



FIND THE SHAREWARE mentioned on The Disc.

It doesn't take Nostradamus to predict what will happen during the holiday season (although I hear he makes a passing allusion to it in some of his later, more obscure works). Every year, it's the same struggle: You start harassing your favorite Mac addict about what to give him or her for the holidays, and he or she, in turn, tells you something like "Oh, I don't know. I'll love whatever you get me," which you both know is a bald-faced lie. So, rather than attend therapy to straighten out your communication problems, you do the best you can, thinking about all the things you've seen your Mac addict "ooh" and "ahh" over during the past year, combing your memory and your journal for each mention of something that might please. Finally, after all your research, you pick the perfect gift—a monogrammed bill clip. After a few gratuitous rounds of "Oh, this is great" from your Mac fan, the clip ends up in the same drawer as last year's gift.

Gift giving shouldn't be this hard. After you read our 67 suggestions of things to do and buy for your favorite Macintosh enthusiast, this holiday season will be a breeze. One word of caution: Always get the Mac owner's permission before doing *anything* to the machine. That is, unless you want a quick end to your relationship.

5 Can't-Miss Game Gifts

■ **Star Trek: Starfleet Academy** (\$59.95, MacPlay, 800-4MACPLAY or 714-553-6655, <http://www.macplay.com>)

Here's your chance to attend Starfleet Academy and work through the trials and tribulations of being a cadet in the service of the United Federation of Planets. Combining both action and adventure modes, Star Trek: Starfleet Academy should keep your favorite

gamer occupied for many weeks beyond the holiday season.

■ **Diablo** (\$54, Blizzard Entertainment, 800-953-7669 or 714-955-0283, <http://www.blizzard.com>)

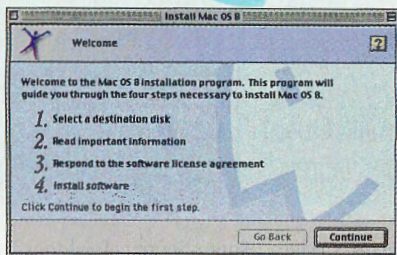
This role-playing game combines innovative inventory management, multi-player play over a network, great special effects, and a spooky mood to create one of the best

entertainment titles of the year. Diablo will satisfy most Mac gamers.

■ **Myth** (\$49, Bungie Software, 800-295-0060 or 312-563-6200, <http://www.bungie.com>)

The folks who brought you Marathon have been hard at work on this three-dimensional tactics game, and it shows. The 3D terrain really makes a difference in game play; certain warrior types perform better on

1 Buy a copy of Mac OS 8 and do a clean install—For the suggested retail price of \$99, you can buy the newest OS with its PowerPC-native code, multithreaded Finder, and all the new interface tweaks. This is a real bargain. But buying it is only half the work. Once you have the shrink-wrapped box in hand, set up a time to do a clean install of the new software. Remember to save all those Preferences and third-party extensions.



2 Make her a custom look-and-feel package—Does she like mountain biking? Use Greg Landweber's shareware program Kaleidoscope (\$20, on The Disc), Desktop Picture (the new Desktop customization Control Panel that comes with Mac OS 8), a startup screen, and some custom icons to outfit her Mac with a mountain bike theme. There are lots of things you can customize, but don't go overboard. After all, too much of anything is obnoxious—even Pauly Shore. Put the package on a Zip disk and wrap a pretty red ribbon around it.



Some customization suggestions:

■ **Holiday theme**—Snowflake icons, the Holiday Lights shareware program (on The Disc), holly desktop patterns—it's enough

to get anyone in the holiday spirit.

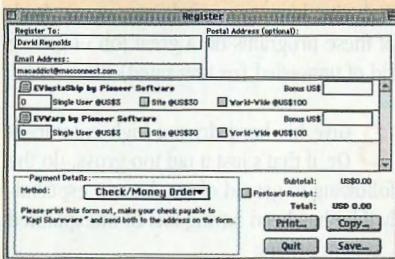
■ **Hobby theme**—What interests her: Is it hiking or archaeology?

Perhaps she likes table tennis. Think carefully, and cover two or three of her activities.

■ **Family theme**—Perhaps she loves the people around her. Make a desktop picture of her family, and include icons of each of her family members. Be careful not to exclude someone—unless you want to send a message.

Don't forget to pay the shareware fees on any customization shareware you use.

3 Register her shareware—Odds are, there's some shareware on your giftee's hard drive that hasn't been registered. For relatively little money, you can register all of that shareware with two benefits: You'll be earning some good karma for you and your Mac addict, and you'll be supporting the Mac developer community. Two gifts in one!



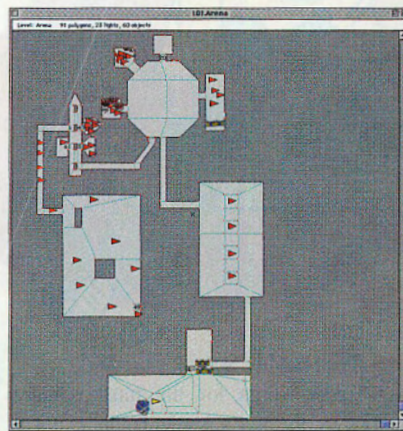
4 Keep his PowerBook safe—With some strong canvas and limited sewing skills, you can create a seat belt for a PowerBook. Use it to securely attach the 'Book to the car's seat. We don't condone mobile computing while driving, but if you just set it on the seat while going from point A to point B, you'll want the security that comes with a strap.

5 Make a Marathon map of your Mac addict's house—Although this borders



things

on a sick little fantasy about chasing him down dark halls with a shotgun, there's a certain Zen quality to mindlessly slaying the demons that lurk where he lives. With Bungie Software's Marathon Trilogy Box Set (about \$50 (street), 800-295-0060 or 312-563-6200, <http://www.bungie.com/products/trilogy>), you get Forge and Anvil, a pair of programs that let you create custom maps, characters, and weapons. Make the map extra fun by providing a custom-made rocket launcher that launches Mac classics.



different terrain (archers, for example, fight better from higher ground), and the terrain can also provide surprises (the undead can hide underwater and wait to attack any passing warriors). This one is sure to alter how Mac gamers think of gaming:

■ **Quake** (\$44.99, MacSoft, 800-229-2714 or 612-509-7600, <http://www.wizworks.com/macsoft>)

Quake has been available on the PC side of things for some time now, but now things are equal, thanks to MacSoft. This first-person shooter renders a 3D world through which you walk (or run) and kill things. Marathon fans should feel right at home with this one, and besides, its 3D engine will give you an excuse to buy a 3D card as a gift.

■ **Galapagos** (\$44.95, Electronic Arts, 800-245-4525 or 415-513-7555, <http://www.ea.com>) Pavlov would be proud. Here's your chance to mold an artificially intelligent creature using negative reinforcement to reach a goal. The problem here is, if you use too much negative reinforcement, your critter will turn catatonic on you. A must-have for every artificial intelligence fan out there.

7 Can't-Miss Peripherals

■ Zip drive (\$149 (SRP), Iomega, 800-998-0036 or 801-778-1000, <http://www.iomega.com>). Zip drives with their 100MB cartridges make backing up, archiving, and transferring data a snap. You can get them from a bunch of sources, and you can even get an internal version for your Mac.

■ F-16 Fighterstick (\$189.95 (SRP), CH Products, 800-624-5804 or 760-598-2518, <http://www.chproducts.com>). The granddaddy of multibutton joysticks, this wonderful peripheral makes flight-sim games like Tie Fighter and FA-18 Hornet a whole lot easier.

■ Color QuickCam (\$299 (SRP), Connectix, 800-950-5880 or 415-571-5100 x7901, <http://www.connectix.com>). Although it may seem like a one-shot peripheral, the Color QuickCam has a multitude of uses. With some Web camera software, an ADB I/O, and some creative home engineering, the Color QuickCam can be controlled via the Web. It can also be used to take small color images, make animations, create QuickTime movies, do video conferencing, or watch over your desk.

■ Power3D 3Dfx graphics acceleration card (\$249.95 (SRP), TechWorks, 800-688-7466

or 512-794-8355 (or 44-1753 898 500 for UK and Europe), <http://www.techworks.com>). If you're a Quake fanatic or you love MechWarrior, then you should look into this 3D acceleration card. It will render smoother textures and create a more believable experience. Although only a few games currently take advantage of 3D acceleration cards, these games are the wave of the future.

■ Olympus D320-L (\$689.95, Olympus, 800-347-4027 or 516-844-5000, <http://www.olympus.com>). This digital camera rocks. The Olympus D320-L, building on the very cool and quite successful Olympus D300-L, not

6 Buy a domain name—There's nothing like the personal touch, and if you buy your Web-surfing Mac user a domain name, every email and every trip to her home page will have special meaning. To get a vanity domain name, ask your favorite Internet service provider (ISP). For an extra \$10 to \$20 a month, some ISPs will grant you your own domain name without the bother of doing a

WHOIS search and paying the yearly fee. Call and ask around.



7 Clean out her System Folder—Even for the most retentive among us, the Mac's System Folder is not an easy thing to keep clean. Do your Mac per-

son a favor and get rid of all of those obsolete preference files, extensions, and control panels, and save lots of hard disk space. To make this easier for you (and for her, in the long run), invest in a copy of the shareware program Yank (\$15, on The Disc) or Aladdin's Spring Cleaning (demo on The Disc and just \$49.95 from Aladdin Systems' Web site, <http://www.aladdinsys.com>). Both of these programs do a great job of getting rid of unneeded (or unwanted) files.

8 Give his hard drive a high colonic—Or, if that's just a tad too gross, do the following to get rid of any bit rot, especially if he has been having lots of unexplained system errors:

■ Back up the hard drive—Copy *everything* to another hard drive or a set of Zip disks. You'll need it later.

■ Update the hard disk drivers—Get the latest driver and update the drive. If it's an Apple drive, get the latest version of Drive Setup or HD SC setup. If it has been formatted by a third-party utility, you'll have to get the latest driver software for that utility and use it to update the drivers.

■ Format the drive—Use the drive utility to do a low-level format of the hard drive. Also, take this opportunity to partition the drive to increase speed and reduce file

sizes (see "Super-Smart Desktops," May/97, p32).

■ Reinstall the software—Use the original installer disks to reinstall as much of the software as you can. Don't use the backup for this if you can help it.

■ Clean up—From the backup you made in the first step, copy over whatever you couldn't install from installer disks.

This chore is not for the technically faint of heart. You'll need to set aside several hours to do this one, and don't forget to get permission first.

9 Make a stenciled set of backup disks—Buy enough Zip disks to back up her hard drive, and then use markers to create a nice Celtic knot pattern on the disks. Wrap them in a bow, and her eyes will go wide with joy.

10 Clean her desk—Oh, sure, this isn't exactly something to do to her Mac, but coming home to a clean desk is one of the nicest things in the world. Just be careful not to throw out anything important.

11 Make a mouse cozy—You can't possibly want to leave that cute little mouse out in the cold, cold air, can you? With a little bit of material and a little more

5 Can't-Miss Expansion Gifts

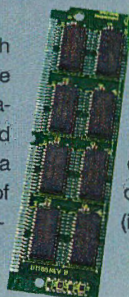
■ More RAM—There's not a Mac on earth that couldn't use more RAM, and because memory prices have come down to a reasonable level, a few SIMMs or DIMMs would make a great gift. To make that great gift a really exceptional gift, max out the amount of RAM in his Mac. Have it installed by a pro-

fessional as the crowning touch to a gift to remember.

■ A new hard drive—As with RAM, Mac users are always on the lookout for more space. Indulge that quest by buying a 4GB hard drive (internal, if her Mac has a free

expansion bay, but external will work fine, too) and have it installed.

■ L2 cache—Level 2 cache helps a Power Mac go faster. Much faster, in some cases, and the more you have, the faster it goes (although you hit diminishing returns after about 512K of cache). If her Mac doesn't



only takes great-quality digital images at 1024 x 768, it also has removable media (so you can take your images with you wherever you go) and video out (so you can hook it up to a TV wherever you go).

■ A two-button (or more) mouse—With Mac OS 8's contextual menus, the two-button mouse has suddenly become quite useful. But why stop at two? Kensington's Thinking Mouse (\$109.99 (SRP), 800-535-4242 or 650-572-2700, <http://www.kensington.com>) has four programmable buttons, which give you quick access to

some of Mac OS 8's new features—namely, contextual menus. These are much easier when a control-click is programmed into the mouse itself,

and other keys can serve as quick shortcuts. For example, by programming one of your mouse buttons with an option-click, apps are easy to hide.



■ A computer toolkit—If she's constantly poking around inside her Mac's case, one of the best gifts you can give is a computer toolkit. These little utility packages have lots of tools specific to computers—hard to find things like Torx screwdrivers. A must-have for the technically in-clined, and, hey, she might even fix your car with it.

work, you can sew up a warm cozy for your favorite Mac peripheral. You'll find a pattern for a tower Mac and monitor cozy, created by our very own Jennifer Gwirtz, on The Disc. Look there for complete instructions as well.



12 Personal gift certificates—You won't have to spend any money to give him these certificates, which you can create on your Mac using a word processor or page layout software. **Here are some ideas:**

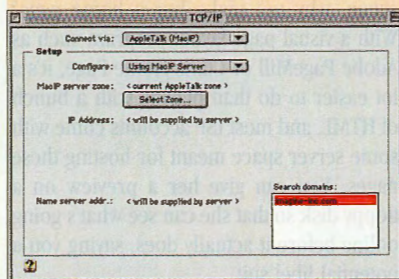
■ Certificate for a day of Mac-related cleaning chores—This includes everything from cleaning out the gunk from his keyboard to lovingly wiping down his monitor.

■ Certificate for a day of Mac installation, setup, and instruction—Give him the best gift of all: your expertise. Spend an entire day helping to install and set up new soft-

ware, and give him all the instruction he'll need to do things himself. You'll both be happy about the results.

■ Certificate for a back rub at the keyboard—Sitting in front of a Mac is hard on his shoulders, so stand behind him and knead out all those knots while he plays yet another Warcraft II scenario.

13 Hook him up to the Internet—Bring your Mac maven kicking and screaming if necessary into the wired pre-21st century by buying him a three-month account with an ISP, installing all the Internet software he'll need, and then configuring his TCP/IP and modem software. That way, all he'll have to do to connect is click on a couple of icons and buttons. Although you may lose him to his online chat sessions, for some folks, this might be a feature, not a bug.



14 Buy him some Apple gear—Apple's Apple Designs Web site (<http://www.apple designs.com>) offers a ton of Apple-branded gear, everything from umbrellas to coffee mugs, all with our favorite six-color logo. The Apple Essentials section shows you all the Apple-flavored accouterments for your everyday life. The Apple For Kids section has teddy bears, baby clothes, and place mats. The Always Apple section has a collection that highlights Apple's history. Our personal favorites at the AppleDesigns site are the Apple Swiss Army Knife and the Clarus composition book. Go nuts!



have L2 cache, buy her 256K of cache for a quick speed bump. If her Mac already has L2 cache, upgrade it with a bigger cache card. Like RAM prices, cache prices vary from day to day, so it's difficult to say how much you should expect to pay. The best thing to do is to shop around.

■ More VRAM—Video RAM (VRAM) is a special type of memory that the Mac uses to drive the monitor. The amount of VRAM a Mac has determines how many colors it can display and at what resolution. If your favorite Mac addict can't get millions of colors on the monitor he has at the resolution he wants,

then he needs more VRAM. Note, however, that not all Macs have room for additional VRAM—to get more colors or a higher resolution you may need to buy a video card instead. Check with Apple to find out exactly what a particular Mac can support.

■ Did we say more RAM?

9 Great Books

■ *The Macintosh Bathroom Reader* by Owen Linzmayer (Sybex, 510-523-8233, <http://www.sybex.com>)

Full of tidbits about the Mac and its creators, *The Macintosh Bathroom Reader* is aptly named. Pick it up, flip through it, and you're guaranteed to learn a new piece of trivia every time.

■ *The Mac Bible* (Peachpit Press, 800-283-9444 or 510-524-2178, <http://www.peachpit.com>)

Now in its 10th edition, *The Mac Bible* covers a ton of Mac basics. Don't have a clue how to

manage your fonts? Check out *The Mac Bible*. Unsure of what to do when your Mac freezes? Pick up *The Mac Bible*. Need to exchange files with a PC? *The Mac Bible* can help. You get the idea.

■ *Sad Macs, Bombs, and Other Disasters* by Ted Landau (Peachpit Press, 800-283-9444 or 510-524-2178, <http://www.peachpit.com>)

Even though it has the most depressing title on the planet, *Sad Macs* is the best troubleshooting guide around with

detailed information on problems and fixes. We hope the Mac addict on your shopping list doesn't need this book too often, but when he does, he'll be glad to have it around.

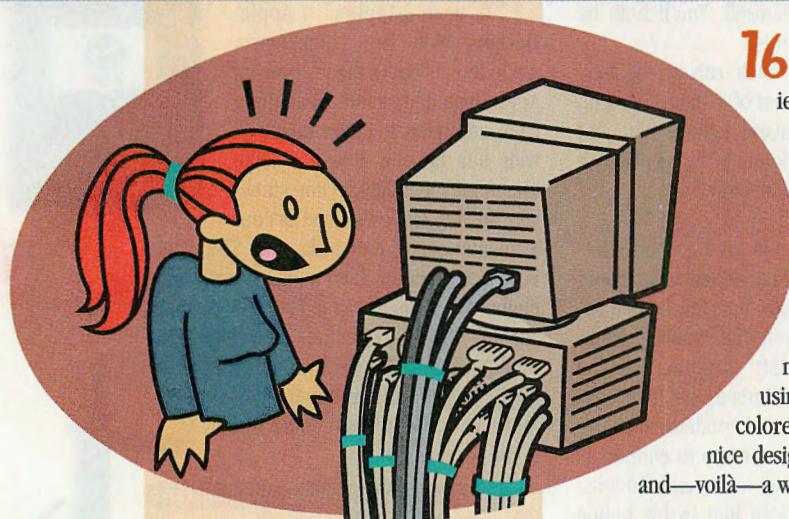
■ *Beyond The Little Mac Book* by Robin Williams with Steve Cummings (Peachpit Press, 800-283-9444 or 510-524-2178, <http://www.peachpit.com>)

This is one of the most approachable books ever written about Macs, avoiding much of the jargon and computer-speak that makes reading other

computer-related titles a comparative bore. It contains all kinds of tidbits about your Mac, and even experienced Mac folks will learn a thing or two.

■ *AppleFacts 8.97* (Apple Computer, 800-825-2145 or 408-974-1010, <http://www.apple.com>)

This little pocket-size freebie contains specifications for every currently shipping Mac and printer. It's an indispensable reference, and a new one comes out every few months. This is a must-have resource for the rabid Macintosh fan in your life.



15 Straighten out her Mac's cables—Boy, things have changed from the early Mac days when all that hung off the back of a Mac was a power cord. Now, there are SCSI cables, serial cables, and several other cords for you're-not-quite-sure-what. Take some time, unplug each one, and plug it back in after carefully untangling it. When you're done, tie them in neat bundles with a twist tie, or a pretty little bow.

16 Design some personalized Screenies—Remember the Screenies monitor border fad that struck a few years back? Go retro and crafty at the same time by making your own homemade monitor border using cardboard and colored markers. Do up a nice design, add some tape, and—voilà—a work of art.

17 Build her a home page—As long as you're getting into the whole Net scene, why not make her a home page? With a visual page layout program such as Adobe PageMill or Claris Home Page, it's a lot easier to do than playing with a bunch of HTML, and most ISP accounts come with some server space meant for hosting these pages. You can give her a preview on a floppy disk so that she can see what's going online before it actually does, saving you a potential libel suit.

18 Make her a FileMaker database—Keeping track of all those comic books has been a real chore for her, so why not make it easy by using Claris FileMaker Pro to create a custom database to help? You can include all the information important to any collection (such as item descriptions, product numbers, and current prices), and it's easy to update. Go one step further and catalog her whole collection for her.

19 Reproduce Apple's icon lawn on her lawn—Make life-size replicas of the icons on Apple's Research and Development campus lawn, and then arrange them on her lawn to match. She'll think she's in Cupertino when she sees it!



4 Places to Buy Gifts

Yes, there are many other reputable places to get your Mac gear, but we've had great experiences with these folks.

■ Direct from the manufacturer. If the manufacturer will sell directly to you, this is a great place for

good prices and good service.

■ Cyberian Outpost (800-856-9800 or 860-927-2050, <http://www.outpost.com>). Run by longtime Mac head and former Mac developer Darryl Peck (remember Inline Systems?),

Cyberian Outpost carries top-notch Mac products at great prices. No tricks, no gimmicks, just good products at a fair price.

■ Mail-order catalogs. There are lots of reputable catalogs from which to order your Mac mer-

chandise. These catalog companies will provide overnight delivery (typically for a nominal fee) and they have a good reputation for customer service. If you don't see what you want in the catalog, be sure and ask the

■ **AppleScript Handbook** by Danny Goodman (Random House, 800-793-2665 or 410-848-1900, <http://www.randomhouse.com>)

For those looking to help their significant others use AppleScript in everyday situations, look no further than the AppleScript Handbook. This book, which comes complete with a disk which contains all kinds of useful scripts, doesn't just talk about AppleScript, it also educates about other scripting systems.

■ **Designing Web Graphics 2** by Lynda Weinman (New Riders Publishing, 800-716-0044 or 317-228-4366, <http://www.mcp.com/newriders>)

The maven of all things digital gives great advice on Web graphics—including design for low bandwidth, cross-platform graphics, and step-by-step Photoshop 4 action palettes tutorials—in this updated version of a Web design classic.

■ **The Non-Designer's Design Book** by Robin Williams (Peachpit Press, 800-283-9444

or 510-524-2178, <http://www.peachpit.com>)

Robin Williams' simple non-jargon approach to a complicated subject brings hope to help non-designers do design work. If your special someone has ever been asked to do some desktop publishing at work or for a volunteer organization, consider buying her this book. She'll get great tips and perhaps a promotion.

■ **AppleDesign: The Work of the Apple Industrial Design Group** by Paul Kunkel and Rick English (Graphis, 212-532-9387,

<http://graphis.com>)

Your favorite Mac enthusiast will drool over the lush pictures that show some of the most interesting technology to never make it out of Cupertino. This 228-page wonder chronicles the work of Apple's design group, and it gives a great history lesson at the same time. Get a glimpse of the rarely seen TimeBand, Apple's wrist-mounted concept computer, and take a look at the many Spartacus prototypes that failed to make it to the real world.

20 Make a QuickTime VR scrapbook of her favorite places—With just a digital camera and some stitching software, you can make several QTVR panoramas of her most treasured places, then put them all on a Zip disk or, better yet, burn a CD-ROM with them. That way, they'll always be there, come magnetic pulse or media-eating mildew.



21 Connect his AV Mac to the VCR and stereo—Sure, he bought an AV Mac so he could do all that nifty multimedia work he has seen so often, but somehow, he has never gotten around to connecting everything and making it work. Simplify his life (and find out if he's really serious) by doing the connection work for him, so he can bring in all the video and audio he wants. Who knows? He might be another Spike Lee or Quentin Tarantino.

22 Carve a chocolate Mac—Using an ordinary block of chocolate, show your sculpting skills by carving a delicious classic Mac. He'll love it, and you will, too. Save the shavings, melt them down, and then paint the sides of a well cleaned classic Mac with the molten candy. Cool it off in the refrigerator, gently peel off the chocolate, and glue the chocolate together using more melted chocolate to form your own hollow chocolate Mac box.

23 Create a Mac-aroni sculpture—With some elbow macaroni, some spaghetti, and some white glue, you can create a beautiful macaroni sculpture of the Mac OS happy face. She'll surely frame your creation and hang it above the mantle.

24 Clean out his Mac—We mean physically open his Mac and, using a can of compressed air, blow out all the dust bunnies that have collected there. Then,

using rubbing alcohol and soft tissue, clean his monitor, keyboard, and mouse (including the mouse ball). This will extend the life of his Mac, giving it one more reason to smile when he starts it up.

25 Build him a shelving system—Finding a place for a monitor, speakers, a Zip drive, an external hard drive, a joystick, a keyboard—you get the



operator if the company has the item in stock. Often, catalog companies don't print all of their inventory in the catalog, so it helps to ask. Also, you may want to shop around between catalogs to make sure you're getting

the best price possible. A couple of our favorite mail-order Mac catalogs include MacMall (800-328-2790, <http://www.macmall.com>) and ClubMac (800-258-2622 or 714-768-8130, <http://www.club-mac.com>).

■ Your local computer store. Although these stores are sometimes more expensive, shopping there lets retailers know that the Mac market is alive and well. Besides, if you shop there frequently, you'll often receive per-

sonalized service that you can't get from anywhere else. If it doesn't work at all, you can go back in and raise Cain with the proprietor. That way, you have a real, live person who will listen to your complaints.

4 Collector's Items

Mac enthusiasts don't just use their Macs, they live, breathe, and eat Macintosh. Because of this, memorabilia is a great gift to consider for these folks. Here are some ideas for Mac treasures to treasure.

■ Mac T-shirts—

There is no shortage of printed Hanes Beefy-Ts bearing Mac-related messages, but a few of these stand out:

—Bungie Software Products' "Carnage for the rest of us" shirt

—Any of Power Computing's "Fight Back for the Mac" shirts



—BareBones Software's Mailsmith "We're Going Postal" shirt

—Any Mac OS 8 shirt

—Metrowerks' "They Use CodeWarrior" shirt

Some of these shirts aren't easy to find (such as the Power Computing shirts), and you'll have to search at yard sales and thrift stores. Others can be bought directly from the company (such as the Metrowerks



shirts which start at \$9.95 (800-377-5416 or 512-873-4700, <http://www.metrowerks.com/products/geekware/index.html>). The glow-in-the-dark neon Debug Boxers (\$16.95), also from Metrowerks are very cool.

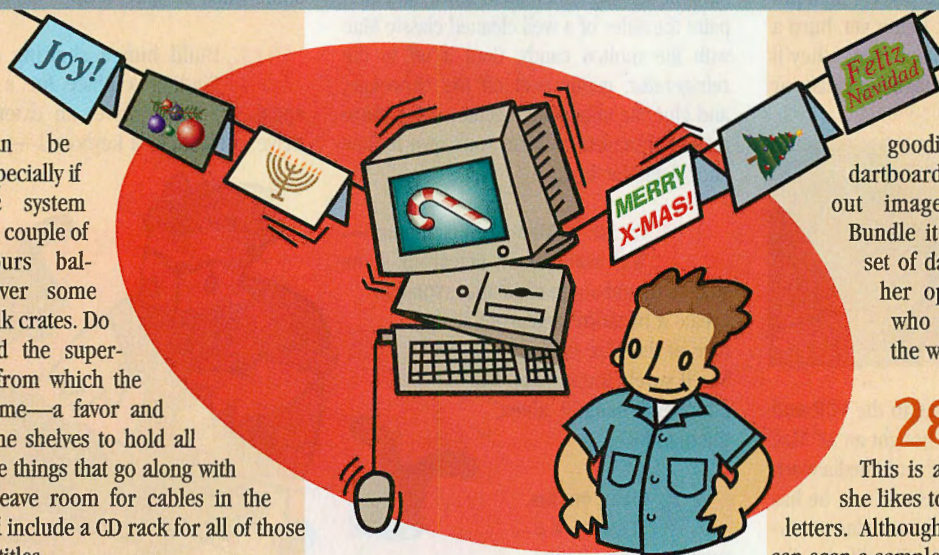
■ Any Power Computing paraphernalia—What with the purchase of the first Mac clone maker, pretty much anything from Power Computing (including a bargain-priced PowerCenter Pro) would be appreciated. Especially sought after is the rare



idea—can be tough, especially if his Mac system rests on a couple of two-by-fours balanced over some stolen milk crates. Do him—and the supermarkets from which the crates came—a favor and build some shelves to hold all those little things that go along with a Mac. Leave room for cables in the back, and include a CD rack for all of those CD-ROM titles.

26 Make a holiday card on the Web—This one keeps on giving. Create a warm, funny, sappy greeting card, post it on the Web, and send the URL out

to each Mac user you know. Cheaper than stamps, and lots easier on the tongue without all those envelopes to lick, plus you'll seem hip beyond belief to those who get your cybercard.



27 Bill Gates dartboard—

Ah, an oldie but a goodie. Simply take a basic dartboard and plaster it with cut-out images of you-know-who. Bundle it up with a really sharp set of darts and let her express her opinions about the man who is bent on taking over the world.

28 Make (or buy) her a handwriting font—

This is a nice one, especially if she likes to write personal holiday letters. Although it's a little pricy, you can scan a sample of her handwriting and do the work yourself with a program such as Macromedia Fontographer (\$349 (SRP), 800-470-7211 or 415-252-2000, <http://www.macromedia.com>), or you can contact a company such as Signature

The Ultimate Gift Trio

■ A pilgrimage to Cupertino—Buy her a first-class airplane ticket to San Jose, then a limo ride to the Apple Campus in Cupertino. Stop at the Apple store, try to get into Research and Development building three,

rummage through the dumpster looking for old motherboards, and stop by the Apple store to buy your propaganda. Take pictures posing with the icons on the lawn before getting chased off by Apple security.

■ The ultimate Mac—No, this isn't the 20th Anniversary Mac. Instead, it's a Power Mac 9600 with 768MB of RAM, a couple of UltraSCSI 4GB hard drives, a 21-inch monitor, a built-in Jaz drive, and an ISDN line

that's already been set up. He's drooling already, and he doesn't know why.

■ A subscription to MacAddict—Where would a list of gifts be without this? One item shorter, but nowhere near as complete.



"Let's Kick Intel's Ass" poster, of which very few were circulated before Power Computing changed the slogan to some-

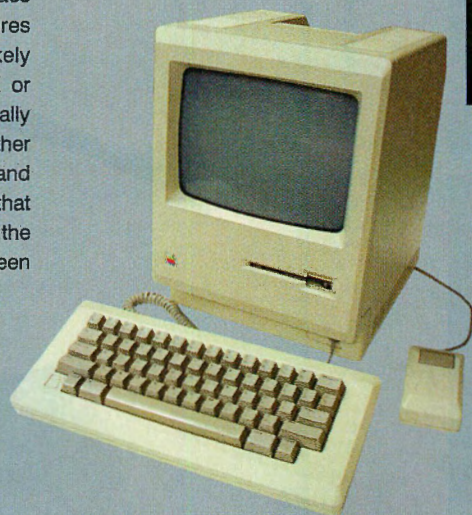
thing more acceptable for family audiences. Well, we know that the OS 8 that shipped was not Copland (although still very cool),

but the trinkets that were given out are quite collectible.

■ Original Copland-era Mac OS 8 trinkets—At Apple's May 1996 World Wide Developer's Conference, then-Apple CEO Gil Amelio said that Copland would be called Mac OS 8, and conference attendees were given Mac OS 8 cups and CD-ROM

known to strip the case, seal it, and turn it into a Mac aquarium. Also works nicely as a change jar.

■ A Mac 128K motherboard—Surprisingly, you can still find these first little Macs showing up at thrift stores (although it's more likely that you'll run into a 512K or Plus). Purchase one (typically for less than \$100) and either pull out the motherboard and frame it under glass (for that special touch), or just give the whole case. Folks have been



things

Software (800-925-8840 or 541-386-3221, <http://www.signaturesoftware.com>) to do the work for you for as little as \$99.95.

29 Give her a programming class—If she's that serious about getting the most out of her Mac, she might like to learn how to program. Here are some resources to help you find a great programming gift:

Discover Programming Edition costs less than \$100.

For some programming help on the Web, take a look at these URLs:

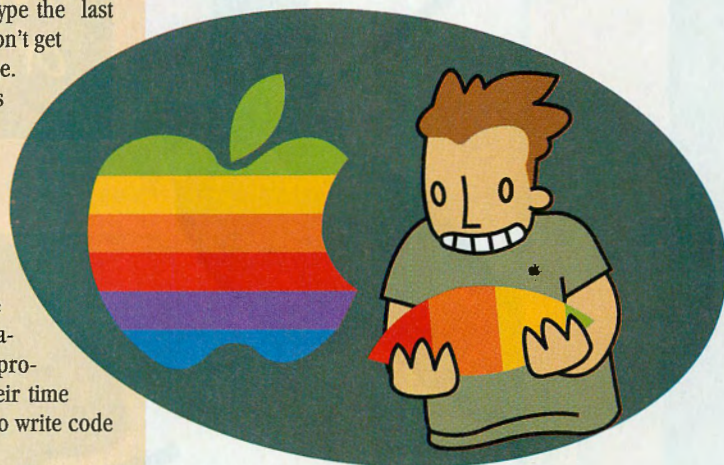
■ The Mac OS Students and Teachers home page—Be sure to type the last slash in the URL, or you won't get to the proper Web page. Instead, you'll get AIMED's home page, which isn't bad, but probably not where you're headed (<http://aimed.org/aimed/most/>). A great place for those who want to learn to develop for the Mac, the MOST organization consists of volunteer programmers who donate their time to help others learn how to write code for use on the Mac.

■ Macintosh C/Macintosh PASCAL (<http://www.ambrosiaSW.com/alt.sources.mac/macintosh-c>)—This site contains online books that will teach you about programming the Mac. A great site, but you should know something about C or Pascal before going into depth here.

■ Apple Developer World (<http://devworld.apple.com>)—Apple's official developer site.

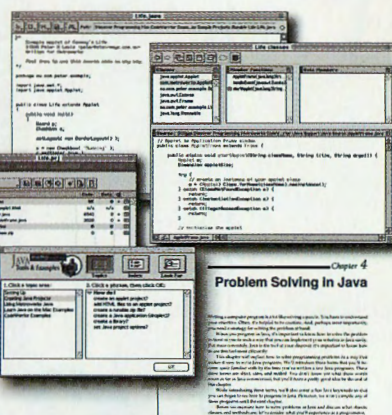
■ Inside Macintosh (<http://gemma.apple.com/dev/insidemac.shtml>)—You'll find electronic versions of Inside

Macintosh, a multivolume encyclopedia that documents the Mac's Application Programming Interface. A must-have at some point for all Mac programmers.



30 Shares of Apple Computer—Although they're not the bargain they once were, buying a few shares of Apple Computer is perhaps the best way to give your Mac addict a stake in the Mac's future. ■

David Reynolds would like any of the gifts on this list, with the exception of the Torx 8 screwdriver mentioned in the Curtis tool kit, as he already has one on his Buck knife.



■ Take a look at Metrowerks' Discover Programming Edition (\$79 (SRP), 800-377-5416 or 512-873-4700, <http://www.metrowerks.com/products/discover/index.html>). This package contains all the software you'll need, and it also includes electronic books to help bring you up to speed as a programmer. Best of all, the

Microsoft

Where do you want to go today?

Follow
in the
footsteps
of history.



Getting yourself your men surrounded
is very bad for morale.

Cooper	Leader	Healthy	Stable	Rested
Crawling		Carbine	AP	100
Motte	G.I.	Incap.	Panick	Rested
Holding Fire		BAR	??	0
Fether	G.I.	High	Panick	Rested
Cowering		Garand	AP	120



mortar or flamethrowers...
mortar or flamethrowers...

Infantry	Support	Unit	Ex	\$
Mark VII 'Cromwell'		Medium tank	4	25
Richards F (3 inch gun)		Tank Destroyer	1	20
Mark V 'Shuart'		Light Tank	1	18
17 pounder anti tank gun		Heavy AT Gun	3	10
M24 81 mm Mortar Carrier		AT and Tank Mortar	2	14
6 pounder AT gun		Medium AT Gun	6	12
Flamethrower		Flamethrowing AT	2	12
3 inch mortar		Medium Mortar	3	10
United Campaign Period	XXX Corps	Requisition Details		
Allied	4 hours	Sector	C	
German	7 hours	Operation	57	

Nothing cleans out a town quite



like flamethrowers.



To do in Holland:



Smell tulips, admire windmills,

secure bridgeheads.



"Look ol' boy, ignore everything
I say and you'll do smashingly."



You took the bridge yesterday. That



doesn't mean you'll have it today.

Too tired to march?

Cozy up in an empty blast crater.



CLOSECOMBAT A BRIDGE TOO FAR

Operation Market Garden was Field Marshal Montgomery's brilliant über-plan to send the Nazis scampering back to Berlin once and for all. And even though it began with the largest aldrop in military history, it ended up a complete and bloody failure. Maybe you can do better. With the right amount of strategic brilliance you can take the fifth and final bridge that Monty so unfortunately missed. It's simple. Recreate history and you will fail. Rewrite it and well, anything's possible. www.microsoft.com/games/closecombat



HOLIDAY GAMES SPECTACULAR II

NEVER LEAVE YOUR MAC AGAIN
WITH THESE 20 KILLER GAMES

BY KATHY TAFEL

it's true that the Mac will never be the first choice among gamers. Console games have the sidescroller, racing, fighting, and sports games markets sewn up. Sadly, Intel-based PCs have overtaken the Mac in cutting-edge graphics display, with hundreds of new games each year. That doesn't mean gaming on the Mac is dead, though, as some members of the press would declare. On the contrary, this holiday season will see more first-

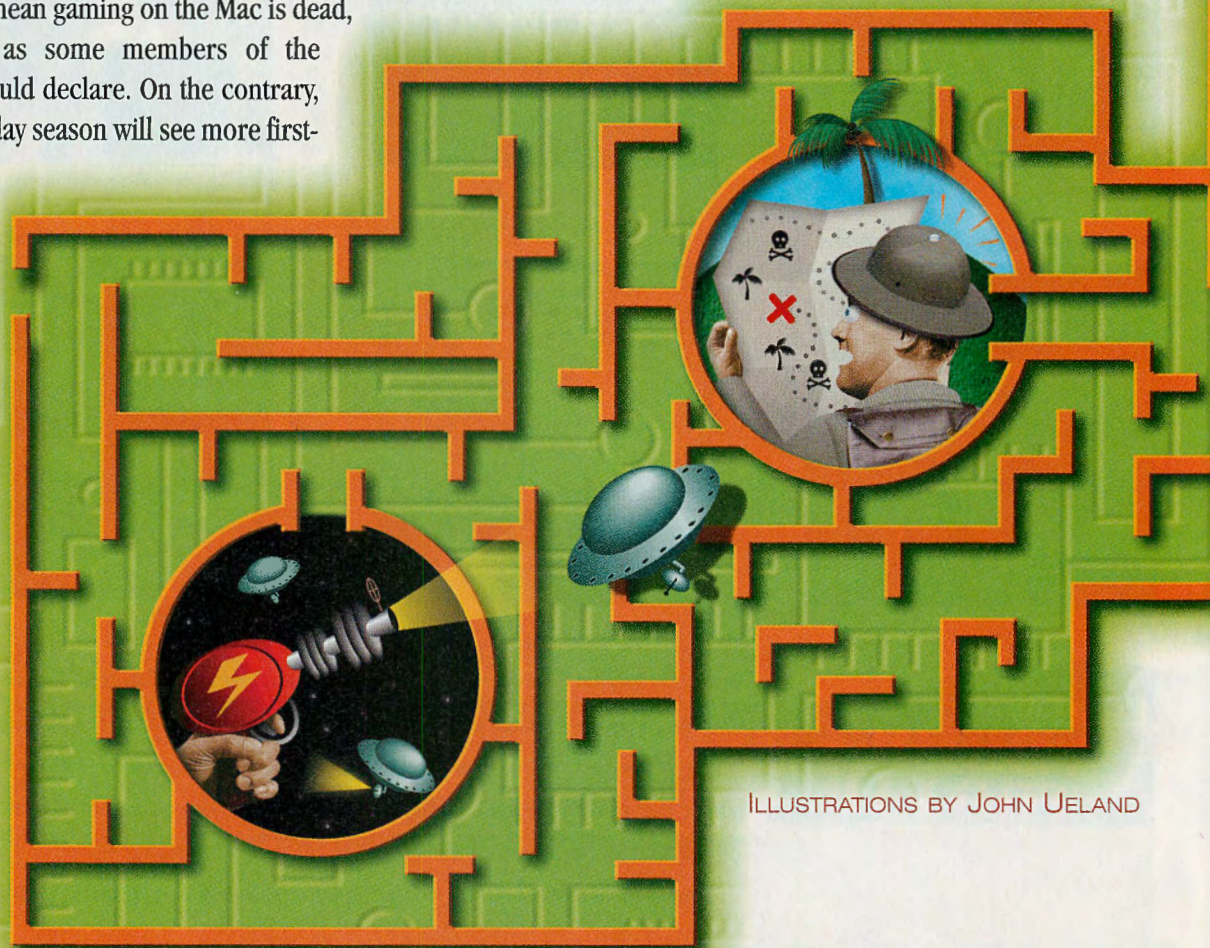
rate, high-quality games for the Mac than ever before. Ranging from puzzles to action thrillers to space sagas, those of us who use our Macs to 'goof off' will be more than sated. We may even have to quit our jobs to make time to play all of them.



FIND DEMOS
AND MOVIES
of some of
the previewed
games on
The Disc.



FIND THE
LINKS
mentioned
and a release
watch page at
the Web site.



ILLUSTRATIONS BY JOHN UELAND



It's a good time to be a Mac gamer. This is one of the best years ever in terms of the sheer number of amazing games. New 3D accelerator cards make thrilling games look stunning. More powerful microprocessors enable games to do more. In 1997, the games are incredibly addictive and immensely satisfying to play.

All is not milk and honey in the Mac games market, though. Large companies are not publishing on the Mac as much as they used to, because it's simply not as profitable. Many years ago, a good Mac title would sell 150,000 units; these days, companies are lucky to sell 50,000. Activision, LucasArts Entertainment, and MacPlay have cut back severely on the number of games they are publishing. Maxis is practically out the door.

This phenomenon isn't happening only on the Mac: Both 1995 and 1996 were filled with crappy games on all platforms. Consumers didn't like all the crap, so they didn't buy as many games—but Mac addicts are

much less likely to put up with crap than PC users. So there might not be as many games from which to choose this holiday season, but you can pretty much rest assured that the ones you do see will be winners.

To sell at all, game titles have to provide excellent games. They must be addictive, they must have high production values, and they can't look cheesy or be buggy.

It wasn't easy, but we picked 20 of the year's finest holiday-season game releases in five categories: strategy, role playing, puzzle, adventure, and action. All of these games should be available by the end of the year (unless we've indicated otherwise). We promise that you won't go wrong with any of them.



WIN A COPY OF ONE OF THIS YEAR'S HOTTEST GAMES!

HOW TO ENTER

Send your final unscrambled phrase written on a postcard or the outside of an envelope to: Games, c/o MacAddict, 150 North Hill Drive, Suite 40, Brisbane, CA 94005, or enter it at our Web site at <http://www.macaddict.com/contest>. Be sure to include your name,

telephone number, and email and physical addresses with your entry. We'll pick five lucky Mac addicts randomly from correct entries. Winners will get one game from this list: Bungie's *Myth*, Blizzard's *Diablo*, Electronic Arts' *Galapagos*, MacPlay's *Star Trek Starfleet Academy*, and Aspyr Media's *Shattered Steel*. Contest ends December 15, 1997, so enter soon for your chance to win.

UNSCRAMBLE THESE WORDS

GABDE
□ ○ ○ □ ○
MDDANOI
○ ○ □ ○ □ □ ○
TKINET
□ ○ ○ ○ □ □
KCEBTU
○ ○ ○ □ □ □

Now take the circled letters from your unscrambled words and use them to decipher this caption for our cartoon:



○ ○ ○ ○ , ○ ○ ○ ○ ○ ○ ○ ○ ○ !

Contest



STraTEgy

Put your thinking cap on for these games. Although you need some eye-hand coordination to place your troops precisely, you really need to think more about where and how to place them. Strategy games used to be turn based and tile based—almost direct conversions of physical board games. Last year saw the big real-time push. Blizzard's Warcraft II and Westwood Studios' Command & Conquer epitomized this category. This year, Bungie once again pushed the boundaries of our expectations.

Starcraft

COMPANY: Blizzard Entertainment

CONTACT: 800-953-SNOW or 714-955-0283, <http://www.blizzard.com>

PRICE: TBD

Last year we fell in love with Warcraft. The mix of real-time play with incredible scenarios, endearing characters, and a map editor made for an addictive game. Starcraft should be no different. Game mechanics are similar to those in Warcraft, but that's where the similarities end. This time, the setting is outer space.



TERRAN WRAITHS ATTACK a Protoss stronghold.

Instead of Orcs and humans battling to the bitter end, there are three races—Protoss, Zerg, and Terran—who have power over mind, biomatter, and machine, respectively. Instead of a chesslike balance of power, a three-way struggle requires a more intricate strategy.

The Terrans aren't exactly Starfleet material: They were exiled from Earth long ago for bad behavior and don't even get along with each other. Their MO is to colonize a planet and strip it of all materials. This, of course, means that the Terrans need to expand ever outward. When fighting in Terran territory, you'll be on barren plateaus.

The stagnant Protoss just want to be left alone, but when provoked, they exercise their mental powers to wield shields and weapons; they even can warp the space-time fabric. To focus their mental powers, the Protoss have crystals.



PROTOSS WARRIORS finish off a Zerg colony.

The Zerg are bioengineered monsters that leave a wide swath of destruction in their wake. Nobody knows much about them.

Blizzard is definitely on a roll.

Close Combat 2: A Bridge Too Far

COMPANY: Microsoft

CONTACT: <http://www.microsoft.com/games>

PRICE: \$54.95 (SRP)

This sequel to Close Combat is set in September 1944, and the Germans are being pushed back on all fronts. The Allies plot a landing in lower Holland, which, you might recall, has lots of canals that necessitate bridges to cross them.

First, the Allies ignore critical intelligence showing German tanks in the area. Then the radios don't work, so the ground units are unable to call air strikes on German targets. Finally, although the Germans are outnumbered, they are defending bridges. If they disable a few tanks on the bridges, the Allies must spend hours clearing them.

The scenario is very well balanced. The game is improved, too. Graphics are enhanced overall, buildings have more than one story (which means a sniper can do a lot of damage), and the controls are way better.



A GERMAN FLAMETHROWER bursts into flames as the Allies march by. Note the dropped parachutes on the ground.

Pax Imperia: Eminent Domain

COMPANY: THQ

CONTACT: 818-225-5167,

<http://www.paximperia.com>

PRICE: \$49.95 (SRP)

Pax Imperia should be a great space strategy game. You play one of several different races and can even build your own race. Your goal is to take over the galaxy, starting on a single planet. Each planet serves as an industrial base, and you can improve the output of each planet with terraforming. Once you've got a good industrial base, you can build an armada of ships bent on galactic conquest, a huge spy network, or a trading juggernaut. That's right, you don't have to be a military powerhouse to win this game. Look for Pax Imperia in December.



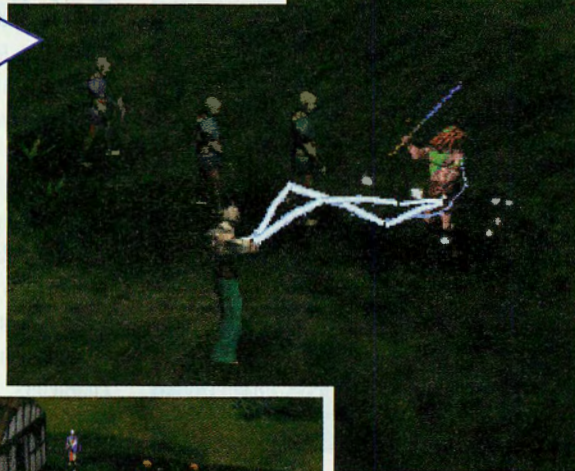
YOU DON'T HAVE TO FIGHT, but it sure can be fun!

A DWARF LOBS A MOLOTOV COCKTAIL as a bunch of Ghôls run onto the scene.



THIS IS AN EX-BERSERK, thanks to the evil Fetch.

HMM, WONDER IF THOSE PUMPKINS would send rind flying if an explosion hit them....



MYTH SUPPORTS 3D ACCELERATION, which makes the landscape all the more gruesome.

BERSERKS AND THRALL go at it in midwinter.



APPLE AND GAMES

Apple has been very scattered in its strategy for entertainment software. Sometimes it does good things for Mac games, sometimes it does stupid things, but for the most part, it is indifferent. Last year, it developed Game Sprockets, which are prewritten libraries of code that developers can use in their games for very common operations, such as drawing quickly to the screen.

This year, bleeding money all over the place, Apple cut back on the development of Sprockets. The company is slowly updating the product but not at the previous breakneck speed. It also promised to supply equivalent functionality in Rhapsody.

In August, Steve Jobs said that Apple needs to focus on two core markets: education and content creation. We asked David Krathwohl, vice president of Apple's Developer Relations, what that meant, exactly. He replied that just because Apple is focusing on those areas doesn't mean that it is ignoring others. Truly the best thing Apple could do for the Mac game industry is start growing again and sell more boxes. It won't matter what Apple does to support or sabotage game development if there are no more Macs to play on.

Myth: The Fallen Lords

COMPANY: Bungie Software Products
CONTACT: 800-295-0060 or 312-563-6200,
<http://www.bungie.com>
PRICE: \$49 (SRP)

You can always count on Bungie to produce high-quality games—addictive and unique with great plots, great network play, and, of course, plenty of gore. Myth: The Fallen Lords follows suit. Bungie once again changed the face of gaming on the Mac.

All action takes place in real time (as opposed to turn-based play), but Myth is no typical real-time strategy game. The first obvious difference is the landscape. It's not flat. It's not isometric. It's fully 3D. You must take the terrain into account as you play. Also, this game is tactical more than anything else—No need to worry about harvesting the resources necessary to create your army.

You start out leading a small army, the good guys' army. In the army of light are Warriors (knights), fir'Bolg (archers), Dwarves (bombers), Journeymen (healers), and Berserks (one-man armies). Opposing you are the forces of the Fallen Lords: Soulless (flying spear throwers), Ghôls (freakish beasts), and Thrall

(zombies). That's right, Bungie has left the science fiction realm of Marathon for sheer fantasy.

In this tactical strategy game, you must discover the strengths and weaknesses of your units and of the enemies. The 3D terrain really comes into play. The archers and dwarves perform better from high ground: Arrows fly farther, and if you throw a bomb up a hill, it will roll back down and then explode. Enemies can hide behind hills, and the undead can lurk underwater.

Like all Bungie games, Myth features plenty of carnage. The landscape is littered with dead bodies, blood, and broken blades. The replay feature allows you to zoom in, circle, and move the camera to see bits flying from gory explosions—in slow motion. And how beautiful those explosions can be (especially on a 3Dfx card).

The single-player game has 25 levels, but carnage at Bungie isn't a solitary undertaking. There are great networking levels as well. You can play head to head or establish teams in which different players direct parts of the armies. Playing against your friends is way more fun than playing singly—you might actually be able to beat your friends! Myth looks like it will be another instant hit for one of the best development houses.



role playing

Think Dungeons & Dragons and you'll know the basics for a standard computer role-playing game (RPG). Early RPGs were basically computerized dice rollers, complete with excruciatingly detailed statistics and tile-based maps—and you played solo, unlike TSR's version. SpiderWeb Software's Exile series (see PowerPlay, Sep/97, p92) is a perfect example of a tile-based game.

Over the years, RPGs have become more sophisticated, losing some of the complex statistics in more fluid gameplay and changing the look and feel from flat to isometric and even fully 3D. RPGs have experienced a resurgence recently. Because technology has advanced to allow multi-player capabilities, RPGs are again the social game they once were. Even so, how fun an RPG is still comes down to one thing: Your dungeon master has to be an excellent storyteller.

Clan Lord

COMPANY: Delta Tao Software

CONTACT: 800-827-9316 or 408-730-1074,

<http://www.deltatao.com/deltatao>

PRICE: About \$30 plus online charges (TBD)

Clan Lord (a working title) is the only real online social role-playing game for the Mac this year, and it's a Mac-only game, to boot. Clan Lord offers your standard fantasy setting—magic and weapons and whatnot—but it isn't your standard game. Although many such games for the PC target 14-year-old boys who

love nothing more than killing everything in sight in player-versus-player combat, Clan Lord is intended for a more grownup, mature audience in which everybody can be a winner because the computer player is there to be a loser.

There still is a place for violence, but there's much more opportunity to chat with other players and exchange knowledge about the quests in the game. Clan Lord also will be set in a world in which you really can role-play, too. You are encouraged to create your own personality and play style, just as you are in Dungeons & Dragons. Buying Clan Lord is not a one-time deal; as the world grows bigger over the years, more CDs will come out with more graphics.



CLAN LORD IS MEANT to be a very social game. When you talk, a thought bubble appears near your head.



OOH, A SCARY DRAGON. Kill it. Run. Hide behind the tree!

Dark Vengeance

COMPANY: Reality Bytes

CONTACT: 617-621-2500,

<http://www.realbytes.com>

PRICE: TBD



STUNNING GRAPHICS create a truly beautiful experience amidst the gore.

Dark Vengeance is more of a hybrid RPG-action game than a true RPG. When you start out, you get to pick from five different characters. Depending on

which role you play, you get different backstory and side missions. The gladiator character likes hand-to-hand combat and can sustain heavy damage. The warlock wields powerful long-range magic but can barely pick up a dagger. The druid uses earth magic to augment her physical abilities in hand-to-hand combat. The savage uses a bow to rain arrows of revenge upon the Dark Elves, who killed his family and left him for dead. The trickster uses traps and potions against her foes and wants to learn from the Dark Elves. In the dungeon, you fight these Dark Elves and can set up multiplayer deathmatches.

Dark Vengeance uses state-of-the-art 3D rendering to create an incredibly spooky arena. All characters and their surroundings are fully 3D, so you will want a 3D accelerator card that has 4MB of memory to get the most out of the game. Dark Vengeance is due out early next year.

Fallout

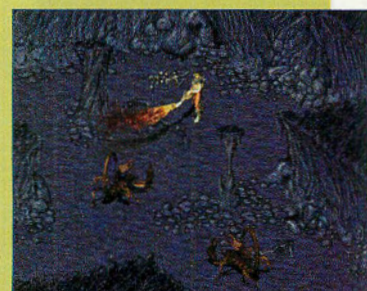
COMPANY: MacPlay

CONTACT: 800-4MACPLAY or

714-252-2820 (fax),

<http://www.macplay.com>

PRICE: TBD



SUBTERRANEAN CAVERNS are just one place you'll do battle.

Fallout takes a slightly different approach for an RPG. Amazingly, there are no dwarves or magic wielders or warriors, because Fallout is not based in a fantasy realm.

Wow! The plot of Fallout unfolds on a post-apocalyptic Earth that has been devastated by nuclear war (hence Fallout, get it?). Amid the wreckage, you emerge from a shelter looking for a replacement water purification chip. You must fight gangs and pursue other quests to gain experience. Fallout is single-player only.

ONLINE GAMING

Most games these days include networking capabilities. Online gaming services exist to match you up with opponents, but few support Macs; you'll have to negotiate your own games over Internet Relay Chat (IRC) or—gasp—the phone to play against others. So although you can't use online services, there are plenty of resources on the Web for the Mac game addict. Here are just a few (for every link possible, visit *Inside Mac Games* at <http://www.imgmagazine.com/coolinks.html>):

News, Previews, Interviews, Reviews

- *Inside Mac Games*, <http://www.imgmagazine.com>
- *Mac Gamers Ledge*, <http://www.macledge.com>
- *Tikkabik*, <http://www.tikkabik.com>
- *Next Generation*, <http://www.next-generation.com>

Network Games

Networkable Mac Games, <http://www.ambrosiasw.com/netgames>

Strategy

The Mac Strategist, <http://www.us.net/btmedia/macstrat.html>

Action

Mac 3D Total Action, <http://www.contact.net/judo/dark.html>

Sports

MacSPORT, <http://www.suzerain.com/macsport>

e Games, <http://www.egames.com>

KILLING ICKY FALLEN ONES is as easy as clicking on them. Corpses leave their remains for you to stumble over.



SOME GRAPHICS ARE SICK and twisted. Parents should think twice about buying *Diablo* for the younger folk (above and below).



THE ENTRANCE TO ANOTHER EARLY QUEST is guarded by four candles. Watch out for the goatmen.



Diablo

COMPANY: Blizzard Entertainment

CONTACT: 800-953-SNOW or 714-955-0283,

<http://www.blizzard.com>

PRICE: \$54.95 (SRP)

Diablo is creepy. Diablo is spooky. Diablo will be one of the best games you play this year, because Blizzard is unquestionably one of the best dungeon masters ever.

The action takes place in the town of Tristram in a multilevel cathedral—a cathedral that has been overrun with demons. As a warrior, rogue, or sorcerer, you must fight your way through the levels of the cathedral to eventually fight the demon Diablo, who has taken over the body of King Leoric's son, Albrecht. King Leoric himself went mad and is now a skeleton king.

Warriors fight hand-to-hand with standard weapons of destruction: swords, maces, and the like. Rogues, the female character type, fight with bows and can wield magic as well. Sorcerers are armed with staves that can be charged with spells; these characters are the best at performing magic.

The denizens of Tristram possess everything possible to aid in your mission. The town elder identifies objects found in the cathedral. The blacksmith sells, buys, and repairs weapons. The town witch sells, buys, and recharges magical items. There's even a thief who can sell you exactly what you need—at a price. The

rest of the townspeople give you quests and gossip with you, filling in backstory.

Game mechanics are innovative. Objects in your inventory take up space as well as weight, so even if you can carry more objects, you won't be able to pick them up if they are too big. Fighting is a simple matter of clicking on your enemy. Although the warriors' and the rogues' weapons make the right sound effects, spells produce the best special effects. Bolts crackle along the floor as they seek their targets, infernos flare, and portals create blue holes.

The single-player game sends you on quests and into the cathedral to fight the demon's minions. Eventually you finish the game by completing the Diablo quest. You then could start the game over with a different character type, because the cathedral layout is different each time. Or you could do what makes *Diablo* unique. It's difficult to make an RPG with multiplayer capabilities because the game engine must track not only your inventory, stats, and quests but also those of all other human players. *Diablo* accomplishes this and allows multiplayer games with up to four players over IPX, AppleTalk, or the Internet via Blizzard's server, Battle.net. You can create public or private games, and when you log onto Battle.net, the server shows only games with characters at your level.

Diablo is beautiful and captivating. See you next year—if the fiends don't get you first.



Puzzle

Puzzles and board games, unlike others, don't pressure you to act now. Most of these are perfect for people who claim that they don't like games or that they aren't good at playing them. This year, the production values are better than ever, meaning the titles look better than ever. These games will challenge your brain without taxing your eye-hand coordination too much. Have fun!

You Don't Know Jack Volume III, You Don't Know Jack TV, You Don't Know Jack Huge

COMPANY: Berkeley Systems

CONTACT: 800-713-7146 ext. 333 or 510-540-5535,

<http://www.berksys.com>

PRICE: \$29.99, \$29.99, \$39.99 (SRP), respectively

Berkeley Systems knows that you can never have too much of a good thing. After Dark is on, what, version 8.0? You Don't

Know Jack looks like it's on the same production schedule. You Don't Know Jack Volume III is the successor to the original and Volume II. It offers another 800 irreverent questions.

The You Don't Know Jack premise is simple: You and up to two other players sit at one Mac playing a game show. Categories such as Play that Funky Music, Old White Man offer questions that ask

you to differentiate between vice presidents and funk musicians. You "buzz in" via the keyboard if you think you know the answer

to a question. Whoever ends up with the most money wins.

You Don't Know Jack TV offers another 800 questions that are solely about television. One question goes along the lines of "Who is the bartender on The Simpsons?—Larry, Curly, or Moe." And so on. You Don't Know Jack Huge includes volumes one through three in a nicely boxed set. Woo hoo!

1 From Russia with Yaks \$2000

If the Russian Ministry of Broadcast produced their own version of the first American sitcom to shoot an episode in the Soviet Union, what would be the **BEST** title?

- 1 Premier of the Class
- 2 Welcome Back Kalishnikov
- 3 Saved by the K.G.B.
- 4 Red 222

HMM, ALL OF THEM took place in a classroom, but which one had the budget for an overseas production?

7 Nice Pecks! \$2,000

How Many Gregory Pecks would it take to make a Gregory Bushel?

- 1 one sixteenth
- 2 one
- 3 two
- 4 four

Arnold \$4,000 Michele \$2,000 Peter \$6,000

CELEBRITY MATH is way more fun than new math. We don't know the answer, either—the dictionary calls both a bushel and a peck a "large amount."

Eric's Cascade

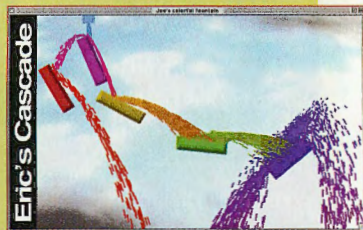
COMPANY: Delta Tao Software

CONTACT: 800-827-9316 or 408-730-9336,

<http://www.deltatao.com/deltatao>

PRICE: \$59 (SRP)

Cascade is a fun toy written by the same developer who brought you Eric's Ultimate Solitaire CD. There is no object or goal, just a mandate to be mesmerized by the cascade of falling pixels. The pixels, or "water," fall from the top of the screen. In between the top and bottom are blocks that divert the flow of water. Eric is a master of creating unique human interface "gestures." For instance, in Ultimate Solitaire, "throwing" a card in the general location of its intended destination usually works, and it's just a flick of the wrist instead of a complete drag. In Cascade, dragging the blocks around is completely intuitive. Pick one up at the end and wiggle it to move it to the right inclination. It's completely smooth. Cascade is a great indicator of your Mac's speed.



IT'S LIKE A RAINBOW waterfall, but much more fun because you can control the action.

Shanghai Dynasties

COMPANY: Activision

CONTACT: 310-255-2000,

<http://www.activision.com>

PRICE: \$39.95 (SRP)

You may have already played Shanghai in one form or another—it's been around for more than 10 years. It was ripped off in a huge way by the freeware Gunshy. At its simplest, the game has a bunch of tiles in groups of four laid out on the board. The object is to clear all the tiles away by matching two tiles at a time. The latest incarnation offers many different tile sets and the ability to create your own. One of the tile sets for kids makes them do math to match tiles. New in the game is a version of mah-jongg that is networkable, and there are also network versions of the tile puzzles.

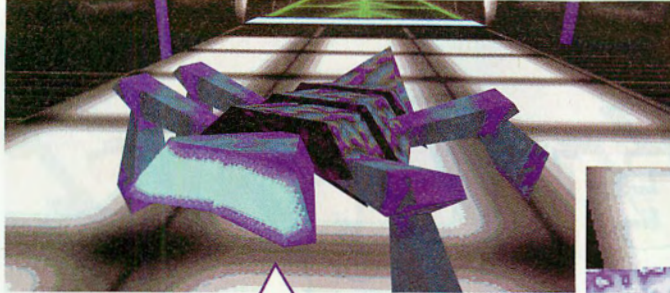


THE HOROSCOPE TILE SET is just one of many and includes both Western and Eastern characters.

REAL PC VERSUS VIRTUAL PC

When Connectix released Virtual PC earlier this year, it spurred competition in a market that had never had any before. If you wanted a Windows emulator, you bought SoftWindows from Insignia Solutions—and paid for the privilege at \$350 a pop because the package was “for businesses.” Connectix brought Virtual PC into the home for about \$150 and told people to go play games. Insignia responded by dropping the price of SoftWindows to \$199 and realized that maybe people would like to run DOS games. (Duht!)

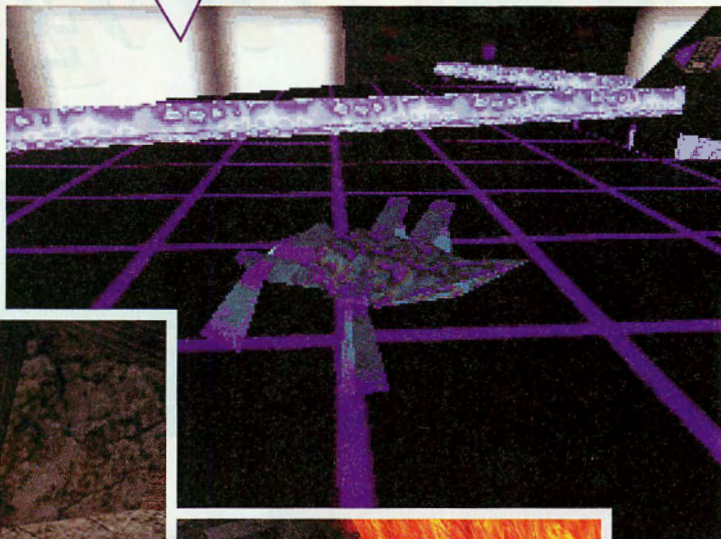
Both companies recently released DOS-only versions of their products, stripped of Windows, for about \$80. Connectix went one step further and got rid of all Microsoft products by using IBM-DOS instead of MS-DOS. Both products ship with several games. Connectix lined up a few titles from Electronic Arts—Madden NFL Football (LE), Need for Speed (SE), and PGA Tour 96. Insignia ships a third-party CD collection of 15 games, such as Descent, Doom 1.666, Blake Stone, and Raptor. In a future issue, we will give you the lowdown on which one is better.



MEET MENDEL. ISN'T HE CUTE?

That light space on his head represents the infrared sensors. His legs are controlled with virtual servomotors.

AN EARLY PUZZLE challenges you to guide Mendel across a platform with deadly propelleresque blades rotating around it.



EACH WORLD has a different look. This wood grain world makes you correctly guess which beams to pull out to get Mendel through a maze.



CAN YOU GET MENDEL ACROSS this bridge without letting him fall into lava a billion times?

Galapagos

COMPANY: Electronic Arts

CONTACT: 800-245-4525 or 415-513-7555,

<http://www.ea.com>

PRICE: \$44.95 (SRP)

Galapagos' 3D environment might fool you into thinking that it's an action game. It's true that Galapagos makes you use your mousing skills a little more frenetically than the other puzzle games, but this game is indeed a brain teaser of the highest order.

You are not the center of attention in Galapagos. Instead, your job is to navigate a cute little artificial creature named Mendel out of a hellish environment. In some respects, Galapagos is more like Lemmings than any other game released in the last few years. You must manipulate the creature's environment to beat the level, only unlike Lemmings, there's only one creature, and it's smart.

Artificial intelligence and life are the holy grail of computer programming. Mendel is one step on the evolutionary trail to true AI. Mendel is an independent operator. He moves around in the environment and can “look” at objects. He learns—from experience—not to jump off cliffs and not to step in lava because that hurts. (See PowerPlay, Oct/96, p90 for more on Mendel's mechanics.)

Some developers might've just stopped after the creation of Mendel and made breeding and teaching

the objects of the game. However, most parents want to play games to escape the kids, not nurture electronic ones. You *can* start the game with a newborn Mendel and teach him via negative reinforcement how to go through life. But that's not the point of the game—the developers were much more sadistic.

They put Mendel in a world where he dies—all the time. And he makes the most adorable little sounds when he's nervous about something, such as getting pushed off a platform or crushed by giant blocks. And the problem is, he learns from what he does, so if he gets crushed too often, he decides not to go anywhere by walking in circles. He refuses to play the game.

So you really have to figure out how to save the poor little darling from being smooshed, or he'll never get anywhere. Each level has a gate to the next, and the object of each level is to get to that gate. Some of the puzzles involve navigating to find a button to push, others involve just getting the heck out of Dodge. All interactions with the environment involve a simple mouse click, but you'll need a quick trigger finger.

Galapagos is a truly revolutionary game. Not only does it offer a compelling example of artificial life—one that would be interesting in and of itself—but it also puts that life through an extraordinary evolutionary crucible, the world of Galapagos.



ADVENTURE

Adventure games typically put you in a point-and-click environment that is very static and gets really old, really quick. Not so this year. Everybody is trying to make adventure games as imaginative and immersive as the original text adventures that are their ancestors. *Riven*, the sequel to Brøderbund Software's extremely successful *Myst*, should definitely outdo the original. And Starfleet Academy breaks new ground in integrating video.

Riven

COMPANY: Brøderbund Software

CONTACT: 800-548-1798, <http://www.riven.com>

PRICE: TBD

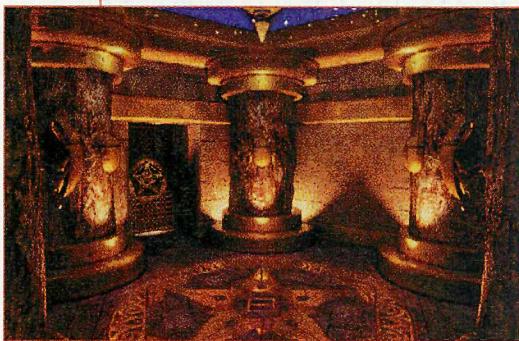
Myst has been on PC Data's top 10 list for more than three years. This phenomenal success put incredible pressure on the developer, Cyan, to make an even better game. Only time will tell, but Cyan has probably succeeded.

Visually, *Riven* is stunning—processing power has improved a lot in the last four years. Whereas in *Myst* each tree had the same texture and model, in *Riven* the modelers created

individual trees for every scene. And the scenes are not static, either; there are more things in the world than just you.

The reason why *Myst* has remained on the

best-seller list for so long is the power of the story. Although other games claim to be *Myst*-like, none have even come close. They may have similar mechanics, but they don't have the same story. That story is of mythic proportions: the link between writing and creation. Words are powerful tools. They create worlds in your mind. In both *Riven* and *Myst*, books literally transport you to other worlds, and the writing of the mysterious D'ni creates objects in those worlds. This is a game you must not miss.



THE DEVIL IS IN THE DETAILS: Each scene in *Riven* comprises hundreds of models.



OUTDOOR SCENES ARE AMAZING. Look at the stones under the water.

Red Jack's Revenge

COMPANY: Cyberflix

CONTACT: <http://www.cyberflix.com>

PRICE: TBD

Cyberflix is another company trying to stretch the rules of graphical adventure. *Red Jack's Revenge* takes place on several islands in the Caribbean and is all about pirates. You play a character who doesn't know he has anything in common with pirates but actually has a mysterious past. As you progress through the game, the past comes to light.

Cyberflix's game engine, DreamFactory, has come a long way since the days of SuperCard, its predecessor. In this version, you can move the view around each node and zoom in on objects. Ambient sound is directional and guides you toward the action. But the real improvement is in character interaction. There is no rough transition like there was in last year's *Titanic: Adventure Out of Time*. This game should be out early next year; a publisher has not yet been signed.



WHAT WOULD A PIRATE STORY be without swashbuckling?

Starship Titanic

COMPANY: Simon & Schuster

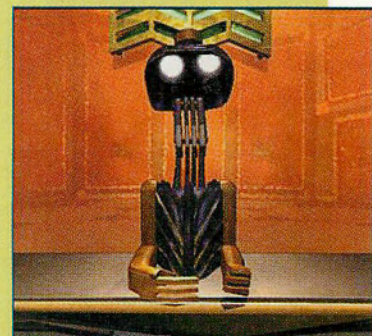
CONTACT: 800-716-0044 or

317-228-4366,

<http://www.starship-titanic.com>

PRICE: TBD

Douglas Adams was responsible for the funniest text adventure of the eighties: *Hitchhiker's Guide to the Galaxy*. Since then, he has been waiting for graphics technology to advance to the point that it's as immersive as the old text adventures. *Starship Titanic* is a brand-new adventure from the modern master of satire. The *Starship Titanic* is a top-of-the-line luxury cruiser with all the modern amenities. And, on its maiden voyage, it gets lost in hyperspace. You won't be sorry for buying a ticket on this wild ride.



THE TITANIC IS MANNED by a staff of psychotic robots. This is a very helpful deskbot.

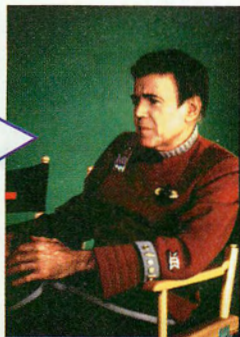
QUICKTIME 3.0

Even though the mothership may not know exactly where corporate strategy is going, the engineers sure know how to make a good thing better. QuickTime 3.0, which, for the first time, brings the same feature set to both Mac and Windows operating systems, is a real boon to game developers in two big ways: production and distribution of media.

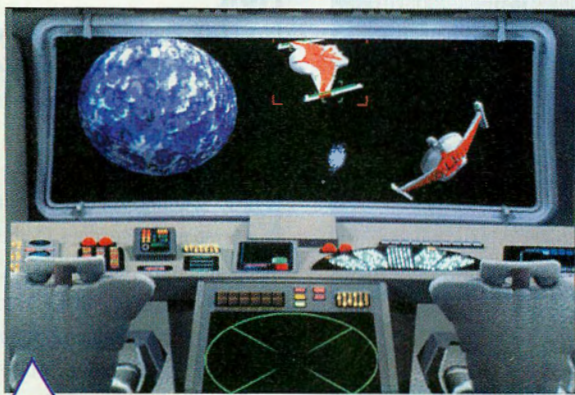
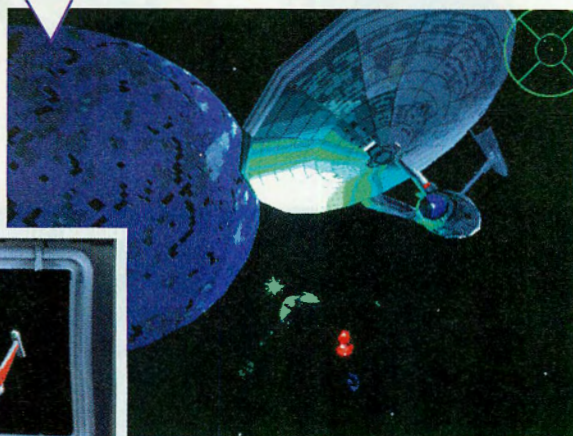
QuickTime provides a media abstraction layer. This means that people working on a project don't need to have the same kind of hardware to work on the same files. So they could record something on a PC and touch it up on a Mac without the headache of converting files. Although some people would argue that this just makes the migration to PCs that much easier, it is a huge benefit to the producers because they don't need to rely on one vendor's proprietary system.

Regarding distribution, version 3.0 has tons of cool new special effects. For instance, you can have a still background image, put a moving water effect on top of it, and then have a video moving around under the "water." The user can "throw stones" on the water by clicking with the mouse, which causes both the water and the video to "splash." In addition to these tricks, version 3.0's MoviePlayer includes support for tons of new file types, including the new DV format in FireWire camcorders, AVI, Sound Designer II, FLC, and BMPs.

WALTER KOENIG TAKES A BREAK from playing Bester on *Babylon 5* to reprise his Chekov role.



PARAMOUNT INSISTED that all action take place in a simulator to ensure continuity in the *Star Trek* universe.



AT THE HELM, find the baddies on radar, then take them out.



YOUR COMMUNICATIONS OFFICER is a brat from a rich family. Aren't they all brats?

Star Trek: Starfleet Academy

COMPANY: MacPlay

CONTACT: 800-4MACPLAY or 714-553-6655,

<http://www.macplay.com>

PRICE: \$59.95 (SRP)

Short of moving to San Francisco and pitching a tent in the Presidio, there's nothing that will make you feel more like you've signed up with Starfleet than MacPlay's *Star Trek: Starfleet Academy*. This game fulfills the fantasies of every *Star Trek* fan—to sit in Kirk's chair for just one day.

You are a cadet captain at the academy, and you have a cadet crew, too, filled with a science officer, an engineer, and the like. On the simulator bridge, you can choose to pilot one of three classes of Starfleet vessel: the Oberth, Miranda, or Constitution. The larger the vessel you choose, the harder your simulator missions. Once on the bridge, your instructor briefs you on the current mission. The first mission gets you accustomed to the bridge and is fairly easy. After that, though, the game gets mean.

Take, for instance, the second mission. There are some radioactive artifacts in a certain star system that are never to be destroyed. You are supposed to replace a scientific probe that monitors them. As you begin this mission, a pirate ship steals one of the artifacts. You are then told to follow the pirate and recapture the buoy. At the next star system, the pirate releases the buoy over a planet, near enough that it will fall to the planet and cause a huge amount of dam-

age (it's radioactive, after all). So you receive orders to draw the buoy a safe distance from the planet and then destroy it. And you're also supposed to disable the pirate ship without destroying it.

Why is the game mean? If you don't launch a replacement probe before following the pirate, the mission fails because you didn't follow orders and accomplish the primary mission objective. If you get the buoy and follow the orders to destroy it, the mission fails because the artifacts aren't supposed to ever be destroyed. If you don't catch the pirate, the mission fails because you don't earn enough points.

This is why the game falls in the adventure category. You aren't just on a joyride pretending to be Kirk. You are actually being trained to be a Starfleet officer who must make judgment calls and be an absolutely perfect being. You must truly be a captain to your crew.

This part of the game is shown via full-motion video cut scenes which usually detract from gameplay. Not so these movies. The acting isn't any worse than the acting on *Star Trek*. The only disjointed part is that the actor who plays you seems way too old to be a cadet. Chekov and Sulu make cameo appearances in this part of the game, and if you make all the right moves, you get to interact with Captain Kirk, too.

Starfleet Academy doesn't have the best fighting simulator—LucasArts' *Tie Fighter* beats it hands down. But the richness of the plot and the intrigues you deal with make this a stellar game. And you get to pretend, if only for a little while, that *Star Trek* is real.



action

Those of you who are addicted to first-person shooters have certainly had your appetites sated this year. Bungie Software Products released the Marathon boxed set. MacSoft cashed in on the GT Interactive titles with Duke Nukem 3D and Quake and has two more in the hopper. Aspyr Media picked up Killing Time, which serves up a mystery/horror theme as opposed to your standard science fiction or fantasy fare. With the addition of screaming-fast 3D accelerators, these games look better than ever. But 3D shooters aren't the only thing this year that can get your blood boiling and heart pounding....

Shadow Warrior

COMPANY: MacSoft

CONTACT: 800-229-2714 or 612-509-7600,

<http://www.wizworks.com/macsoft> or <http://www.shadowwarrior.com>

PRICE: TBD

Coolness: Now that MacSoft has ported the Duke Nukem engine, it can move games based on it over to the Mac more quickly. This means that a game such as Shadow Warrior, for instance, will be out for the Mac in a matter of weeks. The great thing about Duke Nukem was Duke's character, and Lo Wang, the Shadow Warrior, is no different. (Lo Wang is a ninja. Zen question of the month: Is he Chinese or Japanese?)

Shadow Warrior not only lets you mow down everything in sight with your standard machine guns but also gives you sicko options such as using the hearts of the dead as weapons. Ew! You

also can board battleships to use huge 3D turrets. Shadow Warrior offers eight-player games with deathmatch and cooperative play.



IS A KNIFE ENOUGH?
It is if you're Lo Wang, Shadow Warrior, the meanest, baddest assassin ever.



SHUR-I-KEN KILL THOSE BAD GUYS. I am Lo Wang, master of the universe.

MDK

COMPANY: Playmates Interactive Entertainment

CONTACT: 800 771-3772 or 714-428-2000,

<http://www.playmatesinteractive.com>

PRICE: \$49.99 (SRP)

Mac gaming isn't dead, at least not according to the folks at Shiny Entertainment, the developers of MDK. Mac MDK, a third-person shooter similar to Tomb Raider, proves that letter-writing campaigns do work. Shiny's president, Dave Perry, received hundreds of letters begging for a Mac version. Because Shiny has bunches of

Macs that it uses for production, it was open to the idea, and Mac developer Shokwave is working hard on the port. MDK is one of the year's hottest, most visually stunning games. Shiny wanted a game that would appeal to European gamers and succeed in a big way with Americans, too. Get it in January before it gets you.



COUNT ON MDK TO WEIRD YOU OUT as your heart begins to pound wildly.

Racing Days

COMPANY: Bandai

CONTACT: 888-992-

9000, <http://www.bdec.com>

PRICE: \$29.95 (street)

When Bandai made the Pippin, it commissioned a whole bunch of games that, amazingly,

couldn't perform well on a 4MB 66MHz 601 system. This year, it released a whole passel of Mac titles that were originally designed for the Pippin. Racing Days is clearly one of the best. It's a racing game, but it's not as realistic as Sierra On-Line's Nascar Racing or Indy Car Racing. There are different, windy tracks from beginner to advanced level that take place on city streets, not race tracks. Racing Days is more of an arcade game than a realistic simulation, complete with cheesy music. Because it's a port of a Japanese game, there are a few translation glitches, and the program's not as polished as it could be—for example, there's no way to configure a joystick. However, the price is right, and the game is very fun to play.



WHO SAYS THE MAC can't run arcade games? This game is boss.

ULTIMATE 3D ACTION!

Last year, you had one option for 3D action on your Mac: ATI Technologies' XClaim VR card. Although that chip whet our appetite for beautiful games, it accelerated the graphics, not the game. This year, the chips are faster. TechWorks recently shipped its Power3D card, which is based on the 3Dfx Voodoo chip. ATI is readying an upgrade to the XClaim VR, based on its new Rage Pro chip, which offers triple the performance of the original. ATI's card should ship before the end of the year.

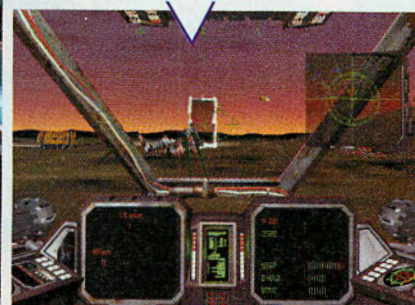
If you're buying a card solely for games, go with TechWorks' Power3D. It is slightly faster than ATI's Rage Pro and performs very well. Many game vendors are making versions specially optimized for the 3Dfx chip. But remember, the Power3D is a 3D accelerator only; it does no 2D graphics work. The ATI card has a 2D chip on it and offers more features: It digitizes QuickTime movies at higher frame rates and makes QuickTime movies play back at bigger sizes without dropping frames. You can even add a TV Tuner for more functionality. So, for about \$20 more for the XClaim VR, although you get slightly slower game speeds, you get 2D acceleration and multimedia functions, too.

Kathy Tafel's feature was late this month because she had to do extensive research on each product mentioned in order to serve you, the reader.



YEEHAW! A HEADS-UP DISPLAY shows you where the enemies are. Armament levels are shown on the lower left.

SHATTERED STEEL'S BAD GUYS are eerily reminiscent of the Shadows on *Babylon 5*.



LOOK AT THOSE CANNONS GO. On the lower right you can set the weapons recharge to consume more energy than shield and drive.



CHOOSE YOUR POISON in the bot bay. The arrows cycle through the bots, and armament are on the right.



Shattered Steel

COMPANY: Aspyr Media

CONTACT: 512-708-8100, <http://www.aspyr.com>

PRICE: \$47.95 (street)

Activision denied us MechWarrior: Mercenaries and Ghost Bear's Legacy, and it refuses to sell a stand-alone version of the 3D-accelerated MechWarrior. InterPlay canceled the Mac version of Shattered Steel. Where, oh where, are we to get our giant robot fix? Our savior is Aspyr Media. The Mac version was just about finished when InterPlay dropped it and Aspyr picked it up.

Because Shattered Steel is a giant robot game, comparisons between it and MechWarrior are inevitable, but the two are different games. For one thing, Shattered Steel does not have the rich backdrop of the BattleTech universe and has had to create a lot of backstory from scratch. As in MechWarrior, you pick a robot (called a Planet Runner) and choose from 25 different armaments to load onto your runner, including plasma cannons and guided missiles.

You then are transported to a planet to complete a mission—each planet offers several, for a total of 50 single-player missions. The first few acclimate you to being a robot pilot. Controls are not nearly as complex

as those in MechWarrior: You don't need to endure long, boring training missions to learn how to shoot. Although you can use the keyboard to control the game, we recommend a joystick; the game uses InputSprocket to give you access to any Mac joystick. Playing the game is really fun. The terrain is more varied than that of MechWarrior, and you can climb over and hide behind hills. Damage done to the terrain is permanent, and you can see it. Shattered Steel is QuickDraw 3D RAVE accelerated, so the look is absolutely beautiful, even when you're surveying ruined hillsides.

No game this year would be complete without multiplayer capabilities, and Shattered Steel is no exception. Up to 16 people can play on the 15 multiplayer levels, either cooperatively or in deathmatches. Whereas MechWarrior's plot involves warring clans, Shattered Steel is a little more subversive. Sure, you blindly go on the missions the computer tells you about, but eventually you realize that the computer is insane. Are you wily enough to outwit a mad machine?

We aren't sure why InterPlay wasn't able to finish the game, but we're happy that Aspyr picked it up and published such a fantastic title. ▀

"POSTAL IS ONE SICK PUPPY. AND I KINDA LIKE IT."
GamePower.Com

"ITS BLOODIER THAN
MONOLITH'S BLOOD™ AND MORE
EXPLOSIVE THAN ID'S QUAKE™!"

PC Multimedia & Entertainment Magazine

"ONE OF THE MOST POWERFUL GAME EDITORS WE'VE
EVER SEEN IN AN ACTION GAME"

Computer Gaming World

"POSTAL IS ONE OF THE MOST OUTRAGEOUSLY
FUNNY TITLES I'VE EVER SEEN IN ADDITION
TO THE GREAT GAME PLAY.
ARTISTIC FEATURES OF THIS GAME ARE
EXCEPTIONAL."

AnyGame.com

"SURE, SENSELESS VIOLENCE IS FUN. BUT IT'S EVEN
MORE FUN WHEN IT'S DIRECTED AT MARCHING BANDS"

Computer & Net Player Magazine



• Brutal shooter/strategy
combo challenges you to
keep one eye on your
target and the other
looking over your shoulder
at all times.



• So freakin' real, your
victims will actually beg
for mercy and scream for
their lives.



• Real-time 3D characters
rage against beautifully
hand-painted 2D killing fields.



"ANTISOCIAL, PSYCHOTIC AND COMPLETELY IRRESISTIBLE."
PC Games

"HOW DO YOU SPELL RELIEF? P-O-S-T-A-L."
KickAss.com

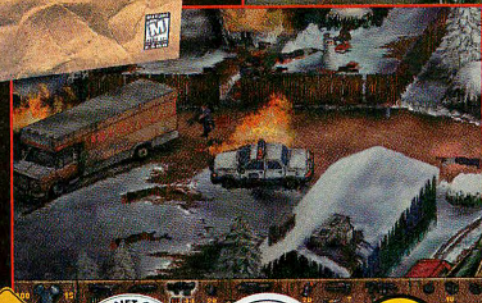
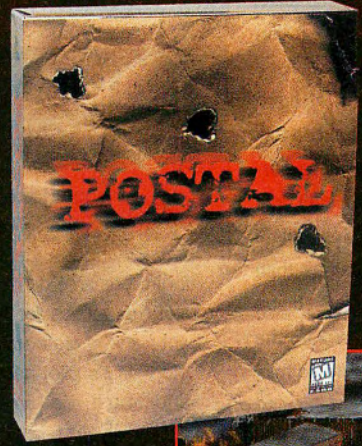
"THE SHOCK VALUE MIGHT GET YOU STARTED ON POSTAL, BUT IT'S THE GAMEPLAY THAT WILL KEEP YOU COMING BACK."
Gamepen

"THE GAME'S SOUND EFFECTS...ARE NUMEROUS AND ENTERTAINING..."
Gamesmania

"POSTAL HAS REDEFINED WHAT ACTION GAMING IS ALL ABOUT, AND YOU'LL BE HEARING A LOT ABOUT THIS ONE FOR A LONG TIME TO COME. REVIEW SCORE: 10 OUT OF 10"
Winner of the Editor's Choice Award
EnterMedia.Net



- Mass murder opportunities: spray protesters, mow down marching bands and charbroil whole towns.



- Multi-player network play over modem, LAN, or the Internet - so you can go Postal with up to 15 near death row candidates.

Available now for PC and Mac
Get them first at your local retailer, www.ripcordgames.com,
or by calling 1•888•797•5867 and give them the code: "Firing Squad."





Cheaters Win Never

—Oh Yeah?

BY BART G. FARKAS

So now we've made you itch to play each and every great game through to its natural completion. But the complexity of modern games might just stop you. After all, who has 60 hours to play through every single level of Duke Nukem when you have to spend time with your kids and still clean the bathroom?

Enter the wonderful world of cheating. Many games have built-in mechanisms that expedite your path through the darkest portions of the puzzles. Need more ammunition in Quake? Or want to fly a C-130 in Hornet 3.0? Whatever the case, there's usually a way (other than the proper way) to solve a problem in the world of computer games. Sure, you can feel guilty about cutting these corners, but when all's said and done, cheating enables you to get through more games than you could ever hope to by being honest. To help you explore the world of cheats in Mac games, we've compiled the following goodies and thrown in a few Easter eggs to boot.

GOD MODE

God mode in the world of cheats simply means that you give yourself awesome powers of life and death in the game.

DUKE NUKEM 3D

MACSOFT

Duke Nukem makes it easy to cheat. Just type in the following cheat codes while playing the game, and you'll get some goodies.

- ▶ **dncomholio**—Invokes god mode
- ▶ **dnstuff**—Gives you the whole enchilada: full weapons, ammo, and items
- ▶ **dncoords**—Shows detailed coordinate info
- ▶ **dnhyper**—Gives you steroids
- ▶ **dnitems**—Gives you all items (including keys)
- ▶ **dnshowmap**—Gives you the full map
- ▶ **dnweapons**—Gives you full weapons and ammo
- ▶ **dnkeys**—Gets all keys
- ▶ **dnscotty##**—Takes you to a new level; fill in the episode for the first # and the level for the second #
- ▶ **dnrate**—Displays the frame rate
- ▶ **dnskill#**—Changes the skill level of the game
- ▶ **dnview**—Toggles the view mode
- ▶ **dnunlock**—Unlocks all doors automatically
- ▶ **dninventory**—Shows your inventory



EASTER EGG



Remember that famous old 1984 Mac commercial? Well, it's actually embedded in Duke, but you'll have to do something special to see it. On the first level there's a movie theater. Once you get to the projector, but before you play the movie, type in VN1984 on your keyboard. Voilà! The commercial plays!

HORNET 3.0

GRAPHIC SIMULATIONS

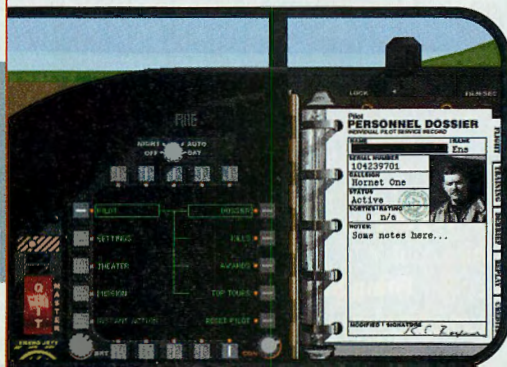
Although Hornet 3.0 is an F-117 flight simulator, you can pilot other planes in the game. Although the instrumentation in the plane still looks like an F-117's, the plane will use the proper flight dynamics for the model. To fly other planes, enter the aircraft code into the pilot CallSign field of the F-117's pilot page. All codes are case sensitive and must be typed in the following format: [fly:CODE-##]. For example, if there are four F-117s

in a mission, their IDs would range from 00 to 03, and you would type the following code to fly the second F-117 of the four aircraft: [fly:F117-01]. For more information on flying other aircraft in Hornet 3.0, visit the Graphic Simulations Web site at: <http://www.graphsim.com/pgFAQH3M.htm>.

AIRCRAFT CODES:

ALLIED

- FA18-##** McDonnell Douglas F/A-18C Hornet
 - A10A-##** Fairchild Republic A-10A Thunderbolt II
 - E2CA-##** Grumman E-2C Hawkeye
 - F117-##** Lockheed F-117A Nighthawk
 - AWAC-##** Boeing E-3A Sentry (AWACS)
 - B52G-##** Boeing B-52G Stratofortress
 - B727-##** Boeing 727
 - DC10-##** Douglas DC-10
 - DRNE-##** Jindivik Drone Target
- ### IRAQI
- MG21-##** Mikoyan MiG-21 Fishbed
 - MG23-##** Mikoyan Gurevich MiG-23 Flogger
 - MG27-##** Mikoyan Gurevich MiG-27 Flogger-D
 - SU27-##** Sukhoi Su-27B Flanker
 - TU20-##** Tupelov Tu-95 Bear



DARK FORCES

LUCASARTS ENTERTAINMENT

Your favorite *Star Wars* first-person shooter has several cheats hidden in its code. Type these while playing the game for the bonus described.

- **labug**—Lets you move close to walls
- **laoz**—Makes your enemies miniature
- **laskip**—Finishes a level automatically
- **launlock**—Puts all items in your inventory
- **lapogo**—Enables you to jump very high
- **larandy**—Supercharges all weapons
- **lamaxout**—As you would expect, this gives you everything
- **laredlite**—Immobilizes your enemies
- **lacds**—Enters you into map mode
- **laimlame**—Makes you invisible

LEVEL CODES

Enter these codes, and you'll be taken to a new level—without having to complete the current one.

- lasecbase**—Level 1
- latalay**—Level 2
- lasewers**—Level 3
- latestbase**—Level 4
- lagromas**—Level 5
- ladtention**—Level 6
- laramshed**—Level 7
- larobotics**—Level 8
- lanarshada**—Level 9
- lajabship**—Level 10
- laimpcity**—Level 11
- lafuelstat**—Level 12
- laexecutor**—Level 13
- laarc**—Level 14



- **iddqd**—Invokes god mode
- **idkfa**—Gives you all weapons, ammo, and keys
- **idfa**—Gives you weapons and ammo
- **iddt**—Gives you a full map
- **idbehold**—When entered with one of the following letters, gives you an item:
 R=Radiation suit
 S=Berserk mode
 A=Map
 L=Light
 I=Invisibility

DOOM II

GT INTERACTIVE

This first-person shooter classic has its share of codes. Some make you a relentless killing machine, and some let you do things such as walk through walls. Try them all! Just type them while playing.

- **idchoppers**—Gives you a chain saw
- **idclip**—Lets you walk through walls

A-10 CUBA

PARSOFT INTERACTIVE

This one is sort of a combination cheat/Easter egg. Press Command-S when you enter any mission and you'll end up underground near Guantanamo Bay. If you then press the X key, you will activate your mouse (or joystick) and be able to fly around with your keypad. Too bad the programmers didn't include a tactical nuclear missile strike as a cheat.

- Keypad 8—Forward
- Keypad 2—Reverse
- Keypad 5—Stop

- Keypad 4—Left
- Keypad 6—Right
- Keypad 7—Up
- Keypad 1—Down



COMMAND & CONQUER

WESTWOOD STUDIOS

Although cheating changes the tone of this well-balanced game, sometimes the urge to completely overwhelm the enemy is too strong to deny. Just type the following cheats, and you're ready to conquer.

- **PLASUM**—Gives you infinite troops
- **BIGREEN**—Gives you infinite credits
- **ZESIR**—Gives you infinite units

DESCENT II

MACPLAY

Descent II has been known to be disorienting to the point of nausea for some people. If it has become too familiar to you, type the following key codes when playing to bring back some interest.

- **bittersweet**—Makes colorful patterns appear on the walls
- **gowingnut**—The Guidebot becomes testy
- **lpnlizard**—All weapons become homing weapons
- **rockrgri**—Reveals a full map
- **oralgroove**—Gives you all keys
- **duddaboo**—Makes weapons rebound off walls
- **freespace**—Lets you warp to a new level
- **alifalafel**—Gives you all items
- **almight**—Invokes god mode

AMBROSIA SOFTWARE

Typing the letter X on the title screen of many Ambrosia games gives you a special message.

SIM GAMES

MAXIS SOFTWARE

Several of the Maxis Sim titles have cheats built right in. Maxis' Web site (<http://www.maxis.com>) provides lots more cheats for the other Sim games.

SIMCITY 2000

- **pirntopsguzzardo** or **topsguzzardo**—Gives you lots o' money
- **joke**—The game tells you a joke
- **cass**—You get either some extra money or, 15 percent of the time, a disaster

SIM ANT

These are case sensitive. Type them in uppercase.

- **JEFF**—Starts a colony on every patch
- **JENN**—Gives unlimited health to the black colony
- **JOKE**—You get a joke
- **FRED**—Ends the game sequence
- **FUND**—You get \$10,000
- **JUST**—You get 10 queens
- **MICK**—The Spider moves backward
- **RAND**—Restores the health of the yellow ant
- **QEN**—Adds another black queen
- **SUSI**—Gives unlimited health to the yellow ant

SIM EARTH

- **FUND**—Gives you money
- **JOKE**—Gives you a sim joke
- **SMOO**—Automatically smooths your coastlines
- **ERAD**—Eradicates all plant and animal life

MASTER OF ORION II

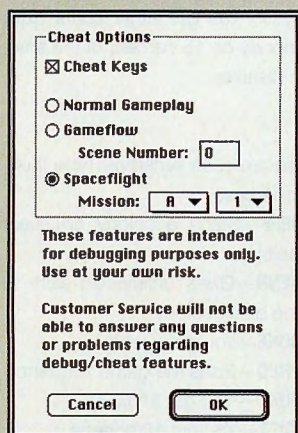
MACSOFT

It's new and great, and you can play a slightly different game by entering these cheat codes.

- **trump**—Gives you 1,000 credits
- **gates**—Gives you current research
- **score**—Shows you the current score

WING COMMANDER III ORIGIN

If you hold down the W, C, and 3 keys while double clicking the game's icon, a cheat dialog appears. From there, you can make some devious selections.



APEIRON AMBROSIA SOFTWARE

To enable these cheats in Apeiron, you must first press the Caps Lock key, then enter the cheat.

- **HECTOR**—Gives you the full amount of lives
- **NICE BOX**—Gives you a curve gun
- **DJARUM**—Lets you pass through mushrooms
- **USMC**—Adds 5,000 to bonus
- **SQUISH**—Gives you a machine gun
- **NALA**—Makes you invincible
- **MORRISON**—Completes the level
- **NUKE EM**—Destroys all nearby mushrooms
- **SNAPPLE**—Gives you a padlock

TITANIC CYBERFLIX

EASTER EGG



In the Turkish Bath, stand at one of the long red chairs and click on the drawers under the mirror. This delivers a humorous Easter egg. Have fun!

WARCRAFT II BLIZZARD ENTERTAINMENT



Having a hard time holding off those ogres? Just hit Return, type the following codes, then hit Return again to make yourself mighty powerful. Careful, though. If you use one of these cheats, you'll be assigned the rank of Cheater!

- **Glittering prizes**—Gives you 11,000 units of gold, 6,500 units of oil, and 6,500 units of lumber
- **Deck me out**—Gives you full upgrades
- **Title**—Makes your units move faster
- **Unite the clans**—Gives you instant victory
- **Valdez**—Gives you 5,000 units of oil
- **Hatchet**—Speeds up your peasants' lumber gathering
- **Make it so**—Speeds up your building and research
- **Showpath**—Gives you the full map
- **Noglues**—Disables the Orc's spells
- **There can only be one**—Jumps to final scene

MECHWARRIOR 2 ACTIVISION

Having trouble with a certain scenario? See if these cheats help. In order to activate the cheats in MechWarrior 2, you need to type the cheats while holding down Control-Shift-Option.

- **cia**—Gives you unlimited ammo
- **blorb**—Gives you invisibility
- **hangaround**—Lets you stay on map after the battle is over
- **tinkerbelle**—Provides a floating external camera view
- **zmak**—Enables time compression

- **unmeepmeep**—Disables time compression
- **coldmiser**—Turns heat tracking on or off
- **icanthackit**—Ends your current mission

EASTER EGG



Typing some of the more, uh, colorful four-letter words that exist in our language gives you a special response from the game.

THE CHRISTMAS EGG



Many games have Easter eggs that are attached to a certain date. For example, Dark Castle has a Christmas egg that displays Christmas trees in one of the rooms on December 25. Try setting your system clock to various holidays. Other games are linked to lesser holidays, such as Valentine's Day. You never know what you may find!

QUAKE MACSOFT

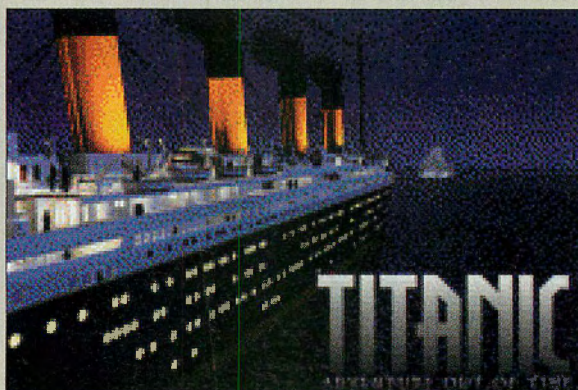
It's new, it's hot, and you can cheat at Quake as easily as at other games. Just type the following words and have fun. To enter these cheats, hit the accent grave key (that's the key in the upper left of the keyboard), and when the Quake console drops down, type your cheat, hit Return, and press the accent grave key to exit the console. Voilà! Instant power. Enter a number instead of the pound sign when it shows up in these cheats.

- **fly**—Enables you to fly (use the D key to go up, the C key to go down)
- **impulse 9**—Gives you all weapons and ammo
- **god**—Invokes god mode
- **notarget**—Makes you invisible to enemies
- **noclip**—Lets you walk through walls
- **give S #**—Gives you # of shells
- **give N #**—Gives you # of nails
- **give R #**—Gives you # of rockets
- **give H #**—Gives you # of health points
- **give #**—Gives you the weapon that corresponds to the number you enter

MARATHON 2 /INFINITY BUNGIE SOFTWARE PRODUCTS

It's a classic, and there are several programs that let you cheat. Here's one that's built right in: Hold down the Option and Command keys when selecting Begin a New Game, and you'll be given the option to start on any level. ☐

Bart Farkas is the editor-in-chief of *Inside Mac Games* and the author of more than 10 gaming strategy guides. He can be reached at bart@imgmagazine.com.



F/A-18

KOREA

HIGH-REALISM STRIKE FIGHTER SIMULATION

The latest in hardcore realism from the engineers of the award-winning F/A-18 Hornet 3.0

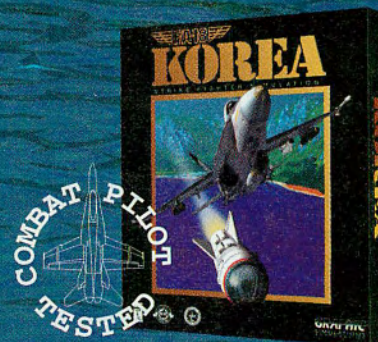
FEATURES:

- Proprietary ultra high-speed differential scan conversion graphics engine
- Native 3Dfx™ texture mapping and effects
- Powerful mission creator/editor
- Highly realistic carrier operations
- Detailed printed/online documentation
- Extensive theater of ops with rolling terrain
- Authentic avionics and flight modeling
- Network play over LAN or Internet
- Huge arsenal, including B-57 tactical nuke!
- Power Macintosh required



*3Dfx texture mapping requires compatible 3D Hardware.

For product information and availability, check out our web page at: www.graphsim.com



GRAPHIC
SIMULATIONS
CORPORATION



reviews

Apple's best, the SupraExpress, the new Timbuktu Pro, and Extensis Portfolio.

Two New Power Macs



FREAKIN'
AWESOME



SPIFFY



YEA,
WHATEVER



BLECH!

COMPANY: Apple

CONTACT: 800-538-9696 or 408-996-1010, <http://www.apple.com>

Power Mac 9600/300

PRICE: \$4,599 (SRP)

SPECIFICATIONS: 300MHz 604e, 64MB of RAM, 1MB of Level 2 inline cache, 4GB hard drive, 24X CD-ROM drive, 8MB of VRAM on preinstalled video card, six PCI expansion bays

Power Mac 8600/300

PRICE: \$3,699 (SRP)

SPECIFICATIONS: 300MHz 604e, 32MB of RAM, 1MB of Level 2 inline cache, 4GB hard drive, 24X CD-ROM drive, 2MB of VRAM, three PCI expansion bays

When Apple decided to create a pre-PowerPC 750 top-of-the-line series of towers, it faced a dilemma. Sure, a new chip manufacturing process pushed the 604e PowerPC processor beyond the 300MHz barrier. But because of problems elsewhere in the Mac's design (namely, cache and bus architectures), we—the users—would hardly be able to tell the difference between a Mac running on a lean 300MHz 604e and one running on a much slower 200MHz 604e. So Apple did what it had to do: It redesigned the cache system. The results are these powerful, expansive and expensive machines. They may face an untimely push off the hill by Macs running the PowerPC 750, but nevertheless, they are very solid, very fast computers.

The new cache design begins with a full megabyte of Level 2 cache—almost double the 512K of Level 2 cache Apple previously soldered to the motherboards of its powerhouses (unfortu-



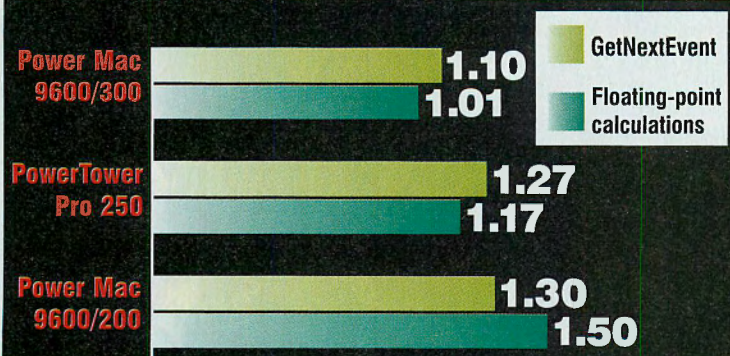
NO SURPRISES ON THE OUTSIDE, but deep down, things have changed.

nately, the cache still isn't upgradable). And to make more efficient use of the cache, Apple installed it on the processor daughtercard and created a cache control chip. This chip allows the processor to access the cache without going through the system bus. Because the system bus in many of Apple's Macs is, and has been, 50MHz, access to the cache was also limited to 50MHz. Put in a faster processor, and it just sits and waits for cache information. But with the new controller chip, the processor can access the cache directly at up to 100MHz. This design, which is used by UMAX Computer as well, is called inline cache, and it speeds up the entire Mac. Our benchmark tests proved that, while it's a slim margin, these machines are indeed faster than anything before.

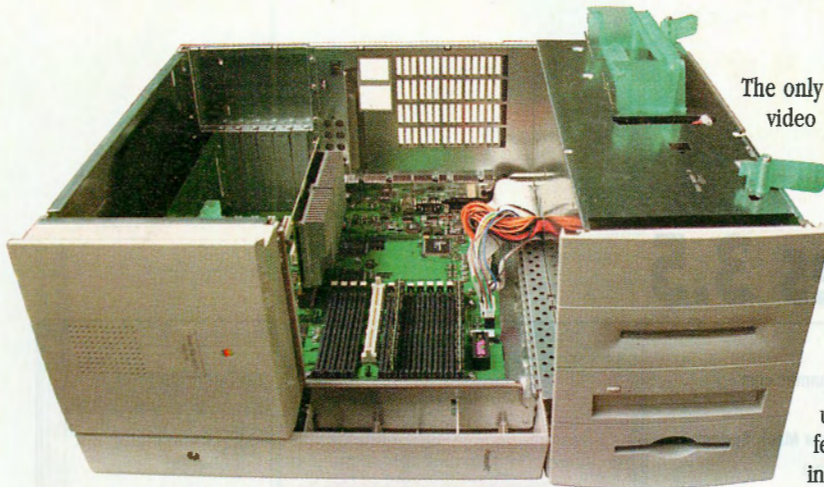
Using the program Speed-tester 2.2, the 9600/300 showed around a 20 percent increase in processor performance over a 9600/200—much less than the sheer megahertz increase, but still a significant boost. Adobe Photoshop tests yielded varying results. Using images ranging in size from 15MB to 200MB, the 300MHz model performed Unsharp Mask filters around 20 percent faster than the 9600/200, and Gaussian Blurs up to 50 percent faster—a real time saver for massive selections. But when flattening a 13-layer image, the 9600/300 barely squeaked passed the 9600/200 with a speed increase of only three percent.

For anyone wondering how Apple's cache and bus speed improvements compare with Power Computing's already increased cache, we tested the 9600/300 against the PowerTower Pro 250—a system already carrying 1MB of the old-style (or lookaside) cache. Speed-tester showed the 9600/300 meekly out-computing the PowerTower by around 15 percent. Photoshop tests were varied, once again. The 9600/300 executed Gaussian Blurs up to 30 percent faster than the PowerTower, but when attempting Unsharp Mask filters, the 9600/300s lead

PROCESSOR SPEED



APPLE'S NEW SUPERSTARS, WITH INLINE CACHE, proved faster than anything else we could find. Tests were done with Speed-tester 2.2 and all times are shown in seconds. The smaller the number, the faster the machine.



LIE IT DOWN, POP THE TOP, and roll off the drives. Apple's continuing briefcase design makes expansion just two clicks and a flip away.

slimmed to around five percent. And for the 13-layer flatten test, the PowerTower actually proved slightly faster than the 9600/300. This is most likely due to Power Computing's faster hard drive.

The differences between the 9600/300 and the 8600/300 are subtle and essentially come down to expandability. The 9600 has six PCI expansion bays, whereas the 8600 has three, and the 9600 comes packaged with an additional 32MB of RAM for a total of 64MB (expandable to 768MB, as opposed to the 8600's 512MB max). Then there's the VRAM. The 8600 comes with 2MB, expandable to 4MB, and the 9600 comes with the now standard graphics card (filling one of the PCI bays) holding 8MB and allowing millions of colors at a huge 1,600 x 1,200 resolution.

The only other disparity is that the 8600 comes with RCA video input ports. Everything else—the built-in Zip drive, the 4GB hard drive, and the 24X CD-ROM—is identical. Both machines come with System 7.6.1 and an upgrade to Mac OS 8, as well as Apple's usual flip-open case design, making every last piece of Mac innards easily accessible to even the most timid surgeons.

The price differences, however, are not so subtle. The 9600/300 is about \$1,000 more than the 8600. Expansion capability may force high-end users to opt for the 9600, but it seems this tower suffers top-of-the-line-price disease. That is, when buying one, you're paying to be in the front of the pack.

These machines are fast. Period. They cost a lot. Period. They will probably soon be outclassed by Macs based on the new PowerPC 750 chips and even further improvements to the cache. But for now, they knit graphics and spin video like no other. —Robert Capps



9600/300

GOOD NEWS: Superfast CPU and cache. Very expandable.

BAD NEWS: Nonupgradable cache. Almost \$1,000 more than near-equivalent 8600.



8600/300

GOOD NEWS: Same CPU design as 9600/300 but less expensive. RCA video inputs included.

BAD NEWS: Still expensive. PowerPC 750s are coming.

CD-ROM ToolKit 3.0

COMPANY: FWB Software

CONTACT: 650-482-4800 (or 800-581-4392 for upgrade ordering),

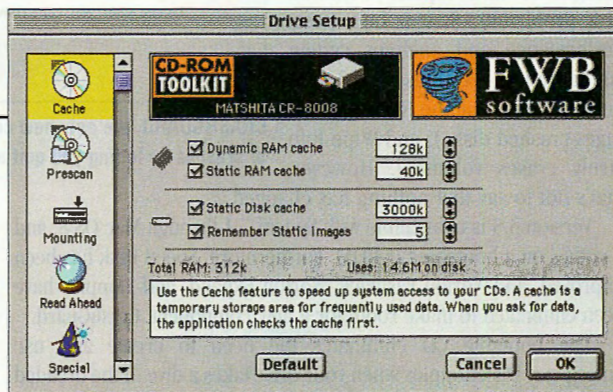
<http://www.fwb.com>

PRICE: \$79 (SRP), \$29 upgrade

REQUIREMENTS: 68020 or faster (CDT Equalizer requires PowerPC), System 7.0.1 or later, 4MB of RAM, CD-ROM drive

Although we don't buy CD-ROM ToolKit's claim of "supercharged performance," it offers enough practical tools to be worthwhile for power users. Its main benefits are compatibility with Mac OS 8 and the ability to access HFS, ISO, Photo CD, CD Extra, and CD-R discs on virtually every SCSI and ATAPI CD-ROM drive on the market, including new DVD-ROM drives. The Apple CD-ROM extension, on the other hand, supports only original drives in Apple-brand Macs. CDT offers hand-tuned drivers for non-Apple devices and sophisticated caching options that theoretically increase the speed at which data is read from discs. Though the improvement isn't always noticeable, especially in light of today's fast CD-ROM drives with large internal hardware caches.

There are two applications for playing music CDs. CDT Remote provides the basic play, pause, shuffle, etc. audio controls, plus it can save music as AIFF files, assume several different configurations based upon your preferences, and display graphics and liner notes on CD+G discs. More unique is CDT Equalizer which dynamically alters the sound of audio CDs in an internal drive according to the way 27 frequency bands are set.



THE CACHE OPTIONS ARE IMPRESSIVE, though they don't always produce a noticeable improvement in accessing CD-ROMs.

There are a number of other minor features that power users will find indispensable. For instance, instead of wasting time mounting all discs in a CD jukebox at startup, you can mount only certain discs with CDT Juke Mounter. Also, CDT has an option for mounting every track on multivolume, multisession CD-R or hybrid discs. While CD-ROM ToolKit 3.0 doesn't have a single killer feature, its various components make for a useful package, especially for owners of Mac clones or third-party CD-ROM drives. —Owen W. Linzmayer



GOOD NEWS: Mac OS 8 compatible. Supports virtually every CD format and drive. Sophisticated caching techniques. Equalizer has dynamic, simple interface. Many power user options.

BAD NEWS: Caching not always noticeably effective. Not inexpensive.



reviews

Norton Utilities 3.5

COMPANY: Symantec

CONTACT: 800-441-7234 or 541-334-6054, <http://www.symantec.com>

PRICE: \$99.95 (SRP), \$49.95 upgrade from version 3.x

REQUIREMENTS: 68020 or faster (CrashGuard requires Power Mac), System 7.1 or later, 4MB of RAM (8MB recommended), CD-ROM drive

If Dante penned *The Inferno* today, he'd include an inner circle of hell populated by shrieking computer users doomed to suffer massive hard drive failures seconds before critical deadlines. To avoid joining this Disk Drive of the Damned Club, pick up a copy of Norton Utilities 3.5 and your eternal salvation is assured. Much as we hate to admit it, Macs crash, and when they do, bad things can happen to good computers. Backing up regularly is your best defense against losing data, but Norton Utilities often can save the day even in the absence of a recent backup.

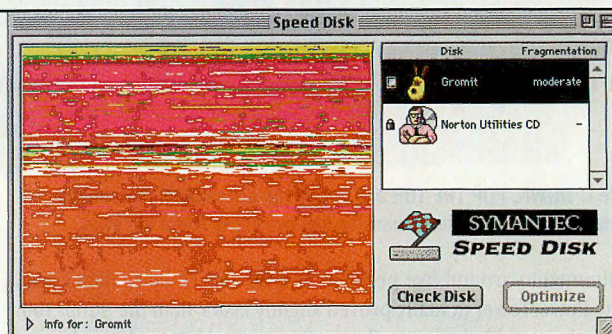
Current users of Norton Utilities will notice little change in the package's core set of components: Disk Editor (provides powerful tools for low-level repair and recovery), DiskLight (indicates disk access with a blinking icon), Fast Find (improves on Apple's Find command), FileSaver (maintains disk information for use by other components), Norton Disk Doctor (diagnoses and repairs common disk problems), System Info (tests performance and analyzes system configuration), UnErase (recovers deleted files), Volume Recover (salvages crashed disks), and Wipe Info (truly erases volumes). However, that's not to say that nothing has changed.

Version 3.5 is compatible with System 7.1 through Mac OS 8, and it comes on a bootable CD-ROM. Furthermore, Speed Disk has been improved, and Norton Fastback, Norton Expand, and Floppier have been eliminated to make room for a new component, CrashGuard.

The bootable CD eliminates the need to create and use Emergency Disk floppies when your drive takes a dive. If the dreaded blinking question mark appears at startup, rescue files from the digital fires by simply popping in the Norton Utilities CD and running the appropriate component to piece together the fragments of your System and get back to work. If you need to rescue a Mac that lacks a CD-ROM drive, Symantec thoughtfully included Apple's Disk Copy 4.2 and images of startup disks containing individual utilities.

Speed Disk, which increases hard disk performance by rewriting all files in contiguous blocks, is the only old component to get a major overhaul in version 3.5. Symantec claims defragmentation is up to twice as fast as before. Although we couldn't confirm this, we certainly noticed a significant performance increase.

Speed Disk now offers seven optimization profiles to match your work patterns: CD-ROM Mastering moves files to the front of the disk; Disk Resizing does the same but is faster because it defrags less rigorously; General Use groups similar file types together; Multimedia coalesces files to maximize the size of free space; Recently Used Files condenses files on your disk by date accessed;



SPEED DISK DEFRAGS volumes up to twice as fast, using profiles that match your work habits.

Software Development groups source files and project files used by programmers; and Speed Disk 3.2 uses the old defragmentation profile. To top it all off, Speed Disk now is scriptable using AppleScript.

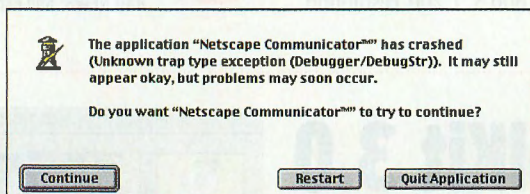
CrashGuard is an intriguing utility that runs on Power Macs only. When a program crashes, CrashGuard attempts to give you the chance

to save open documents before the whole System comes down. In everyday use, CrashGuard is a mixed bag. As advertised, it certainly constrains program crashes to a greater degree than does the Mac OS alone, and its attempt to fix a program's ailment works roughly three out of five times. CrashGuard can't prevent crashes, but if it rescues you from losing work even

once under a deadline, it will pay for the entire cost of Norton Utilities.

Despite the improvements, the heart of Norton Utilities remains Norton Disk Doctor. It successfully tackled a wide range of problems on three very different test systems, although it typically took two passes to straighten out all errors. Recovering hard disks is a luck-of-the-draw operation under even the best circumstances, so the use of Norton Disk Doctor is no substitute for regular backups.

Norton Utilities 3.5 is an indispensable program that should be on every Mac. Hopefully, Symantec will give the Mac parity with the Windows version by adding the LiveUpdate feature, which automatically downloads and installs updates using the Internet. There's enough value here anyway to more than earn Norton Utilities' keep. With few exceptions, disk drives are more reliable than ever, but the flip side is that when trouble arrives, it hits suddenly, with little warning, and, of course, at the worst moment. As Dante realized, there's nothing like contemplating a few inner circles of hell to prod you back to the straight and narrow. —*Rich Santalessa*



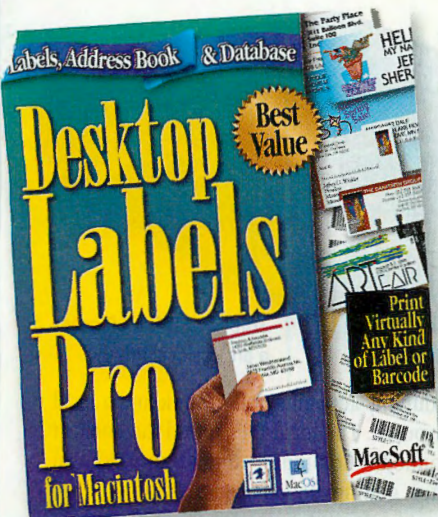
CRASHGUARD, the only new component, lessens the impact of crashes by letting you quit apps and save documents.



GOOD NEWS: Strong collection of indispensable recovery tools on bootable CD-ROM. Scriptable Speed Disk much faster. CrashGuard lessens impact of crashes.

BAD NEWS: Not a lot of new features. No longer contains Norton Fastback, Norton Expand, or Floppier. Lacks LiveUpdate feature of Windows version.

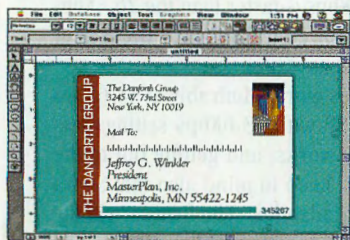
Create Labels, Barcodes and Mailing Lists in one easy-to-use program



- Store Your Mailing Lists in the Powerful Database
- Design Professional Labels in Minutes
- Create Personalized Letters and Brochures
- Create and Print Virtually Any Kind of Barcode
- Flexible Graphics and Page Layout Tools

Create labels, barcodes, mailing lists, personalized form letters, tickets and more. Just design your label or document, enter or import your names into the database, and print. Create and customize your own professional labels or select from hundreds of built-in label formats. Whether you're printing one label or thousands, Desktop Labels Pro makes it easy.

\$24.99



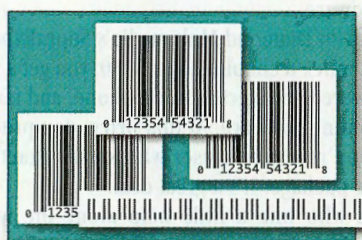
Innovative Label Designer

Desktop Labels Pro gives you many of the same powerful graphics tools found in the best desktop publishing programs. You can design your own professional-quality labels in just minutes.



Powerful Database & Address Book

Holds up to 32,000 names. The built-in database & address book makes it easy to enter names from your keyboard or import them from another program. Once entered, you can quickly find the names you want, arrange them in any order and print mailing labels using the built-in label designer.



Print Virtually Any Kind of Barcode

If you wish, Desktop Labels Pro will automatically print postnet barcodes on your mailing labels to help speed up post office delivery. Or, you can use Desktop Labels Pro to print virtually any kind of commercial barcode.

Full-Featured Desktop Publisher

- Create professional-quality documents
- Built-in spell-checker
- 50 professionally-designed templates

Now you can work with the same desktop publishing tools used by the best graphic artists. MacPublisher gives you many of the same powerful page layout tools found in programs priced hundreds of dollars more. Create brochures, invitations, newsletters, flyers and more. Save time by using one of the 50 professionally-designed templates or you can create your own master pages. Draw graphic objects, or import them from any graphics format, and place them anywhere on your document. Powerful tools are just a click away!

- Place objects precisely where you want them
- Choose a color
- Select a style for any line or border

- Draw virtually any type of object
- Draw lines and arrows
- Draw arcs
- Rotate any object
- Make two objects the same size
- Flow text from one object to another



- Adjust the space between characters
- Adjust the space between lines

\$24.99

MacSoft®

An Affiliate of GT Interactive Software
2300 Berkshire Lane, Plymouth, MN 55441 612.509.7600

Available now from your favorite reseller
or by calling

800-229-2714

Call for a free catalog or visit our website at www.wizworks.com



reviews

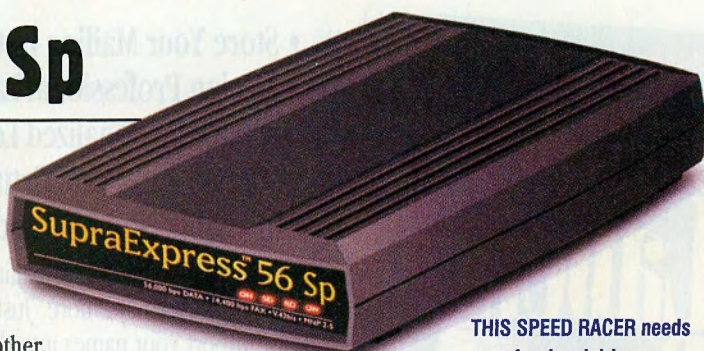
SupraExpress 56 Sp

COMPANY: Diamond Multimedia

CONTACT: 800-727-8772 or 360-604-1400, <http://www.diamondmm.com>

PRICE: \$149.95 (SRP), \$129.95 after rebate

REQUIREMENTS: 68020 or faster, System 7.1 or later



THIS SPEED RACER needs a professional driver.

On the bleeding edge of communication hardware is a war of standards that won't be settled until next year.

On one side is U.S. Robotics' X2 technology; on the other, Rockwell Semiconductor System's K56 Flex. Both claim to surf the Net at twice the speed of a 28.8Kbps modem. Problem is, the Net's a two-way street; your Internet service provider (ISP) must have modems on its end that support the right 56Kbps technology. To win the hearts and minds of ISPs everywhere, modem vendors are flooding the market with rock-bottom prices on superspeedy hardware.

Such is the case with Diamond Multimedia's SupraExpress 56 Sp, which uses the K56flex technology. For \$130, you get a 56Kbps modem, battery-powered speakers, a microphone, and fax, voice mail, and speakerphone software. At that price, you practically can't go wrong. If you're a power user who knows exactly what you're doing, get the package: It's a great deal.

For those of us who like a little help along the way, the SupraExpress 56 Sp is, unfortunately, terribly confusing. First of all, figuring out how to get the microphones and speakers set up is challenging, at best, especially if you want to use the speakers you already have. The diagram that illustrates the setup tells you to plug the cable into the "Mic port on your sound card." Sigh. It really doesn't get any better from there. In stark contrast to the tomes that accompanied Supra modems before the company was bought by Diamond, we could find no instructions, online or in print, that explained how to use the speakerphone software.

Connecting to the Net at high speeds was no piece of cake,

either. Diamond set up dummy accounts at Earthlink and a local Bay Area ISP for test purposes. The local ISP started the connect process but then responded, "Communicating at an unknown rate," and gave up after getting no answer. Earthlink, after trashing all prior Internet preferences, started the PPP process and managed to connect at 31.2Kbps—faster than the 26.4Kbps we get with a 28.8Kbps modem. However, Earthlink's DNS server wasn't working, so we couldn't get anywhere.

Nevertheless, the modem does work admirably at 33.6Kbps speeds. Connecting to a local ISP with 33.6Kbps settings was transparent. The modem simply works, and getting out to the Internet at large is no problem. Keep in mind also that Supra modems are known for their upgradability. The firmware in the modem can be upgraded with a downloadable updater, and Diamond promises such an update when the 56Kbps standard is set. So, if you need the speed, know what you're getting into, and your ISP already has K56 flex support, the SupraExpress 56 Sp might work for you. —Kathy Tafel



GOOD NEWS: Includes lots of extra hardware. Extremely good value for money. Excellent 33.6Kbps modem.

BAD NEWS: Skimpy documentation. Dependent on ISP hardware for high speeds.

CD Recorders

2x2x6 Rewritable	\$529
4x4 Teac	\$439
4x6 Yamaha	\$499
4x8 Panasonic	\$469
Add \$60 for external	

CD-R Duos

Jaz2CDR (4x4)	\$829
CD2CDR (12x/4x8)	\$799
All Duo prices external	

MultiCD-R Copiers

Call for price & config.

Media

(CDs minimum 10)

Media One	\$2.99
Name Brand	\$3.49
CD-RW	\$19.99
Jaz Cartridges	\$89.95

Software

Copy Cat (multi CD)	\$199
Toast	\$99
Gear	\$49

Holiday Super Specials!

Blank media for as low as \$2.49 each with the purchase of any CD-R !!
Buy 100 Blank CDs at 2.99 and receive a FREE 12 X CD player!!

Holiday Special!

\$559
Complete Kit!

Includes:
Yamaha 4X6 External
Toast 3.5 Software
Cable, plus:
10 Blank CDs

2in1 CD Printer

\$979

Print labels on CDs or use as a color desktop printer!!
Quality & functionality of an Epson Stylus Color 600!

Holiday Special!

\$799

CD -Rom Duplicating Towers
Configured and Priced to Your Specs.
From 2up to 20up.
Call for prices and configurations.

Holiday Special!

\$799

12X Reader/4X8 Writer
Plus Toast 3.5 & Cable

Burn It, Dupe It, Copy It, Scan It...But Buy It From The Copy Cats!!

Order Toll Free **1-888-663-3121**

Open Mon-Sat 7 am-7 pm 760.510.9880 Voice 760.510.9888 Fax

Order by calling toll free or visit our online catalog at www.copycatshop.com



Copy Cat Shop
a division of **Media One**

reviews



reviews

Extensis Portfolio 3.0

COMPANY: Extensis

CONTACT: 800-796-9798 or 503-274-2020, <http://www.extensis.com>

PRICE: \$99.95 (SRP); upgrade from Extensis Fetch free if purchased after

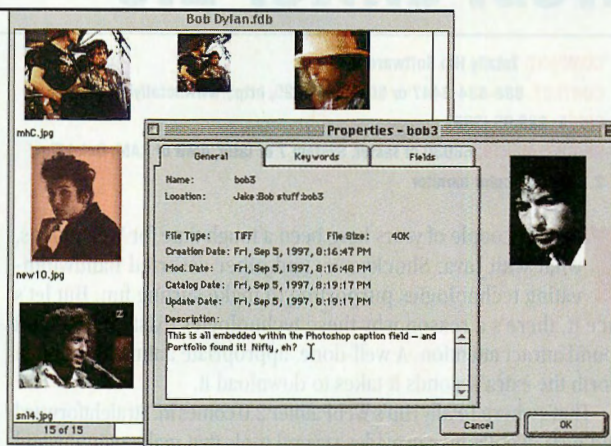
April 21, 1997, \$29.95 otherwise; upgrade from Adobe Fetch 1.2 \$49.95

REQUIREMENTS: 68030 or faster, System 7.5 or later, 6MB of RAM, 20MB of free hard disk space

Like a high-tech version of those industrious Keebler cookie elves, the folks at Extensis just keep cranking out tasty software add-ons and improvements. The latest treat to come down from their treetop factory in Portland, Oregon, is a total revamp of the Fetch database software, rechristened Portfolio 3.0. When a company feels strongly enough about an upgrade to can six years of hard-earned product recognition, you know it's not messing around.

Only a year after Extensis acquired the foster-child Fetch program from software giant Adobe Systems (which had absorbed it from the defunct Aldus), Extensis offered its first PowerPC-native upgrade—Fetch 1.5 in 1996. That version introduced drag-and-drop capability and a significant speed upgrade. Extensis went back to the drawing board and now returns with a product that is sure to grab the attention of TIFF tweakers and pixel pushers everywhere.

Portfolio still sorts your overwhelming plethora of digital images, QuickTime movie clips, WAV sound bites, et al., by storing preview images that refer to the location of the original files. All of the stored bits and bytes of information that you can't do without can be located in seconds with user-created catalogs and infinite search criteria. Extensis addresses the problem of keyword searching for images by allowing Portfolio users to make an unlimited number of custom search fields. The program even reaches into Adobe Photoshop File Info captions and extracts keywords that would be missed by the naked eye.



PORTFOLIO'S SEARCHES can even retrieve descriptions from Adobe Photoshop's File Info caption.



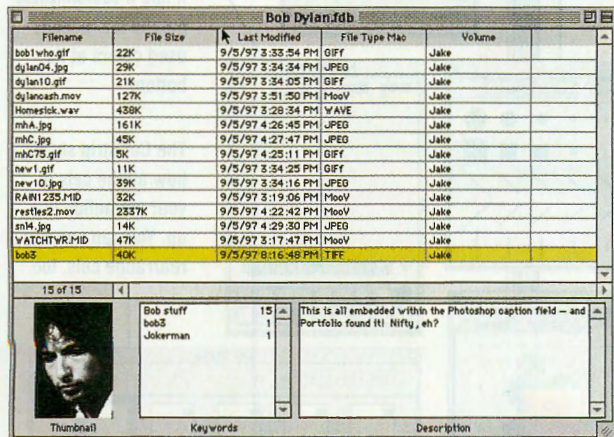
PREVIEW YOUR QUICKTIME movie clips from within a Portfolio catalog.

Putting together a catalog requires simply dropping the files or folders onto an open catalog window—Portfolio does the rest. Using these images is as easy as cataloging them. Simply drag thumbnails from an open catalog into a QuarkXPress 3.31 (or later) document, and the program automatically places the image in a new picture box. Extensis also includes a "lite" version of two popular QuarkXTensions that increase the interaction between the two programs.

The big-money part of Portfolio is its distinction of being truly cross-platform. For years, network administrator cries of

"Why can't we just get along?" have reverberated throughout offices catering to both Mac and PC users. Portfolio provides an easy-to-use, inexpensive way to bridge the gap. Portfolio's updated translator system lets it deal with almost 30 different image formats. Image catalogs can be put together on either platform and accessed by both without converting file formats or worrying about Windows systems not being able to read Mac thumbnail and preview images. Also, you don't need to shell out multiuser fees. Everyone can use and abuse the catalogs at the same time for a single outlay of dough.

Bottom line, Extensis buckled down and answered nearly every wish we had for Fetch 1.5 and, due to its biplatform tendencies, knocked this one into the next millennium. —Ray Larsen



VIEW CATALOGS AS LISTS with one highlighted entry rather than as all thumbnails.



GOOD NEWS: Allows multiple users to share images across platforms without tweaking file formats. Custom fields allow business users to find catalog images by price, publication date, and so on.

BAD NEWS: Still won't clean your desk.



reviews

WebPainter 2.0

COMPANY: Totally Hip Software

CONTACT: 888-884-3447 or 604-685-6525, <http://www.totallyhip.com>

PRICE: \$89.95 (SRP)

REQUIREMENTS: 68030 or faster, System 7 or later, 4MB of RAM, QuickTime 2.1 or later, color monitor

The past couple of years have been a tough time for Web purists, what with Java, Shockwave, and other assorted bandwidth-eating technologies purporting to make surfing fun. But let's face it, there's a reason why these technologies exist: Motion and sound attract attention. A well-done, appropriate animation is often worth the extra seconds it takes to download it.

That's where Totally Hip's WebPainter 2.0 comes in. Straightforward and neat, WebPainter provides several tools that make painting and animation easier—rulers, grids, rotation and skew controls, and control over cels and timing. Although this program is aimed at creating Web animations, it also can be used as a stand-alone paint program. It creates animated GIFs, static GIFs, QuickTime movies, QuickTime Sprite movies, JPEGs, PNGs, and a full complement of Sizzler plug-in elements—another technology from Totally Hip.

As a paint program, WebPainter is pretty much standard: Select a tool from the tool palette and use it to draw on a canvas. Where WebPainter shines is in its cel animation tools. After drawing an image that serves as the first frame of animation, create another cel, turn on the onion

skinning option (to give a ghost image to paint by), and start painting a second cel. Each cel shows up in the Cel Strip palette, where it can be rearranged, duplicated, or deleted. The Inspector palette controls how individual cels behave—aspects such as timing, interlacing, and transparency all are easily changed. And WebPainter plays animations right on the canvas, quickly showing how the finished product likely will look.

WebPainter, which is aimed at those who want to quickly create simple animations, makes it easy to get started. A new user can have a simple animation running in less than half an hour. The documentation—and yes, it's an actual physical book, thank goodness—includes a good tutorial covering the program's basics, which then moves on to animation basics—a real boon to those of us without backgrounds involving Disney.

The interface provides a good start, but it isn't always intuitive. For example, when importing a graphic or an animation, it must be added to a list, and then the list must be imported—even if all you want is a single file. Although this process makes sense for opening a series of files—say, several frames of an animation saved as separate files—it doesn't make much sense for opening a single background image.

Something else we found ourselves wanting (understanding that it wouldn't be easy to implement in a paint program aimed at creating bitmapped artwork) is some sort of object metaphor. That is, when painting a circle to use throughout a piece of animation, it would



FIND A
DEMO of
WebPainter
2.0 on
The Disc.

Use these two buttons to turn on onion skinning for previous or next cels.

Use these three buttons to create a new cel, create a duplicate cel, or delete a cel.

Use these three buttons to play or step through your animation.

This pop-up menu tells which cel you are viewing.

The Brush/Line/Pattern palette lets you customize lines.

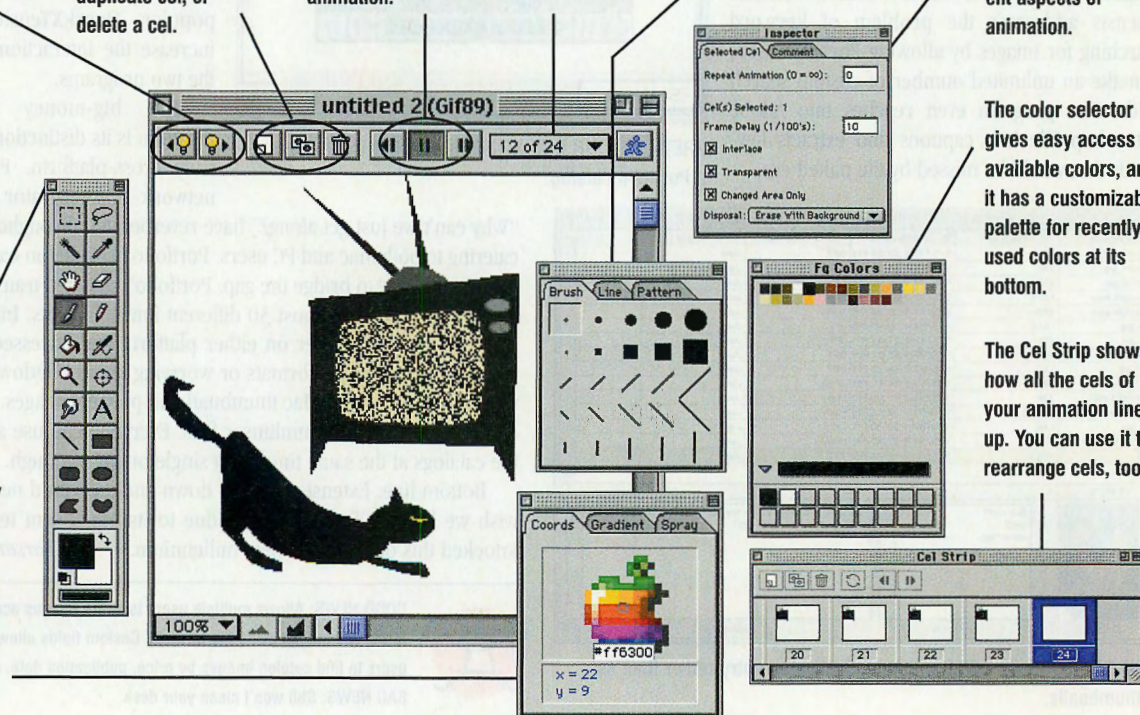
The Inspector palette offers control over several different aspects of animation.

The color selector gives easy access to available colors, and it has a customizable palette for recently used colors at its bottom.

The Cel Strip shows how all the cels of your animation line up. You can use it to rearrange cels, too.

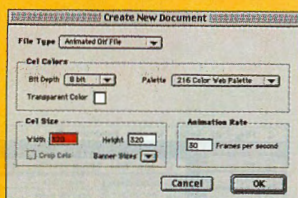
The Photoshop-like tools should look familiar.

The Coords/Gradient/Spray palette has a handy eyedropper feature that converts the color under the pointer into hexadecimal values for easy Web work.



CREATE A SIMPLE ANIMATED GIF OF A BOUNCING BALL

Step 1: Open WebPainter and select New. In the Create New Document dialog box, select Animated GIF from the File Type pop-up menu, and select a bit depth, color palette, size, and speed for your animation. Click OK.

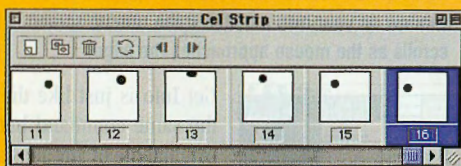


Step 2: Select the circle tool, and, holding down the Shift key, draw a circle in a likely spot. Click on the button to add a new cel.

Click on the button to turn

on onion skinning for the previous cel. The circle you drew on the previous cel will show up in a ghostly gray. Draw a circle (again, while holding down the Shift key) a short distance from the first circle. Add a new cel, and repeat the process over and over until the circle comes to the edge of the cel. When it does, change the direction where you draw the next circle to simulate the ball bouncing off the side of the cel.

Step 3: Keep repeating the previous steps until the ball returns to a point near its original place. Press the Play button to see your animation.



be nice to create the circle once and then have it as a persistent object that could be dragged around in the subsequent cels. And it would be great to create several items—say, some circles and squares that form a figure—and then be able to separate those items later so that they could be moved around without having to redraw them all. As it stands, WebPainter works more like pen and ink than like a bunch of wooden blocks. With each succeeding cel, you must redraw everything that changes. Sure, the program will create a cel containing artwork from a previous cel (which saves the trouble of having to redraw everything), but that saves only so much work.

Still, those are small things. WebPainter does its job, making animations and browser-safe color graphics easy to create. The program yields small files—a 42-frame animated GIF saved at a mere 39K—and handles all the major graphics file types found on the Web. WebPainter comes bundled with a nifty little application called GiffyView for previewing animations. This viewer simulates how fast a given animation will load at various connection speeds, which can be quite a reality check. Finally, the program comes with Hip Clips, hundreds of royalty free clip-art animations. Overall, it's a lot of motion for your money. —David Reynolds

GOOD NEWS: The printed manual is quite good. Simple interface helps quickly create animations. Lots of file formats supported. Program doesn't require a lot of system resources. Good paint tools, including guides, eyedropper tool, and reference marks.

BAD NEWS: Some interface elements don't work intuitively. No persistent objects.



Gridz

COMPANY: Green Dragon Creations

CONTACT: 888-624-0200 or 601-473-4225, <http://www.gridz.com>

PRICE: \$29.95 (SRP)

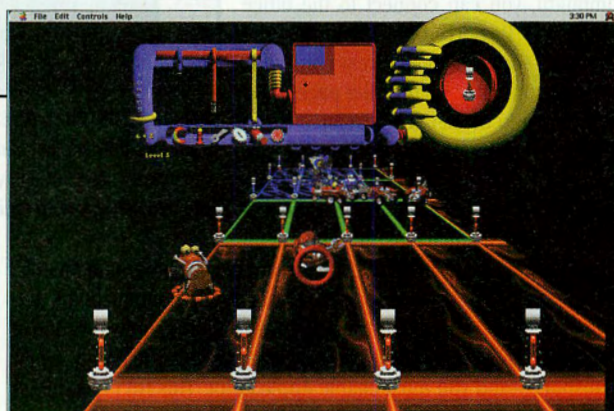
REQUIREMENTS: 68040 or faster, System 7.5.1 or later, 16MB RAM, CD-ROM drive, 640-x-480 monitor with 256 colors

Ever since the release of Tetris, developers have been trying to attain that grail of elegant simplicity and frenetic gameplay. Gridz doesn't have Russian music, but it does have all the other elements of a great arcade game.

The object is to capture the entire screen with your color while preventing other players from doing the same. First, capture each square in a grid of NetSpace by setting markers around it. Then, send a builder-bot to activate the markers and turn the color on. Send hacker-bots to destroy other markers and striker-bots to destroy other bots.

Some grids contain token rings (groan). Tokens let you buy enhanced versions of the builder, striker, and hacker robots between rounds. Much of the strategy consists of figuring out which bots you'll need to take out the other players.

On a 2D board, Gridz would not stand out. But the game puts the view up and slightly to the back of the board, so you're looking down on it. And that's not the only eye-candy. Each player can choose different textures to fill in their grid. And most important, the bots have personality. Each level of bot gets its own name, and every bot has a different behavior. Strikers progress from little buzz



CAPTURE AS MANY TOKENS as you can. You'll need them to fight off the other players' strikers.

saws to lobbing bombs, hackers move from slow pounders to demolition flails, and builders grow from little gnomes to weird Rube Goldbergian contraptions.

The best strategy is to buy bigger and better strikers to take out the other guy before he gets you. At press time, the game did not support network play, but Green Dragon promised it by October 1 as a free update from its Web site. Net play will be the icing on the cake for an already addictive game. —Kathy Tafel



GOOD NEWS: Addictive. Wonderful concept. Adorable graphics. Mac only.

BAD NEWS: RAM hungry. Manual available in game only.



FIND A DEMO of Gridz on The Disc.



reviews

Timbuktu Pro 4.0

COMPANY: Farallon Communications

CONTACT: 510-814-5000, <http://www.farallon.com>

PRICE: \$199 for a single pack (SRP)

REQUIREMENTS: 68020 or faster, System 7.5 or later, 16MB of RAM (at least 8MB physical), 2MB of free hard disk space, CD-ROM drive

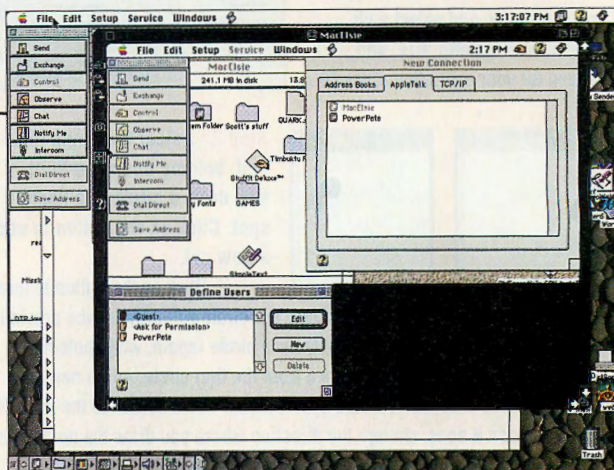
Using AppleTalk as a network in a busy production environment quickly illustrates its limitations. Transferring large files can be painfully slow, there's no built-in message or mail capabilities, and although you can see and retrieve files from a remote computer on the network, there's not much you can do with them if the application is not on the computer you're using.

Timbuktu Pro 4.0, however, gives a network serious horsepower, and a slick interface, to boot. Remote connection, password protection, and messaging all receive a boost. Should a transfer be interrupted, Timbuktu Pro will pick up at the point where it left off. Best of all, it has the ability to completely control another computer—that is, to launch and use applications on a remote computer from your own. On the road when a client wants to change a brochure? With Timbuktu, you can connect to the office with a PowerBook—through the Internet—open QuarkXPress on your desktop computer, change the pages, and email them to the service bureau.

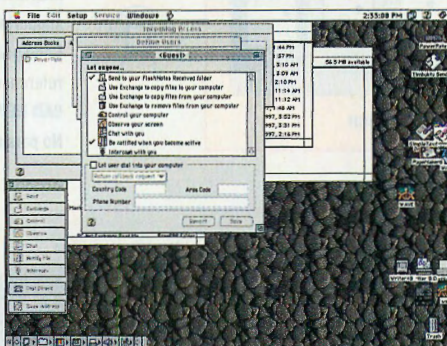
The 88-page manual is clear and easy to read, making installation a snap (although the onscreen guide differs a little from the manual). A Timbuktu menu appears at the top right of the screen, creating a shortcut to launching the program or to connecting with other computers on the network. Be aware of one thing before installing, however: Active transport software of some kind is required—preferably Open Transport—and you must enable AppleScript. This isn't mentioned in the manual.

Timbuktu consists of several parts: Send transfers files and folders, along with a FlashNote to notify the recipient (the transferred files go to a FlashNotes Received folder). Exchange is more robust, allowing you to quickly copy files or folders in either direction, provided you have password access. Observe opens the remote computer's screen on your own, allowing you to watch it in action. Control, well...controls the remote computer. Chat creates a keyboard conversation with any other Chat-enabled Timbuktu user. And Intercom allows the user to speak to other Timbuktu 4.0 users via built-in or external microphone and speakers.

New to version 4.0, Drop Sender creates icons for quick transfer. Simply drag and drop files to send onto the icon for a quick, easy transfer to a specific location—whether on a LAN, via direct dial-up, or over the Internet. Exchange also has several features: Go To provides a shortcut to any higher folder along the current file path, and



IN CONTROL MODE, the remote computer's screen is seen within a window on your own monitor. If the remote screen is larger, your screen scrolls as the mouse approaches the edge.



GIVE UNREGISTERED GUESTS any level of access to your hard drive, including complete control over your system. Any options you give to guests are automatically given to registered users as well.

Get Info is just like the Finder version of the same command but can also find the original file of any alias and search for files on any connected computer.

The best features, however, are the Observe and Control functions. A slower computer can control a newer and more powerful one with a larger monitor. The view on the local computer scrolls automatically—it's really something to see. And a Mac can control even a Wintel box. Want to create a logical loop and crash the system? Go into Control mode, open the remote computer's Timbuktu Pro menu bar, and select Control.

Of course, sharing an entire system with everyone on the network may be a terrifying proposition. Luckily, setting which users can access which Timbuktu Pro utilities is very simple. Likewise, you may assign to undefined guests as much or as little access as desired. Any privileges you grant to guests are automatically granted to all registered users.

The only real downside of Timbuktu is the intercom function. The sound quality is so poor that it creates more confusion than it solves—end of long word get cut off, and there's an annoying delay caused, presumably, by the translation of sound into digital form and back again (it reminds us of listening to yourself during a radio phone-in). Not a great feature when a telephone is almost always right there.

For creating a network to manage connections and send files, Timbuktu Pro 4.0 has it all, plus several intuitive tools you won't even fully realize until going back to a network without them. —Scott Bury

GOOD NEWS: Controls remote computers—even Wintels—easily and reliably. Quick setup. Great manual. Reliable and quick file transfer. Easy to set security parameters and grant access to individual users. New features useful and time-saving. Launch time very short.

BAD NEWS: Intercom useless. Manual and onscreen guide differ in approach.



Jack Nicklaus® 4

"10 out of 10"

"Jack Nicklaus 4 is arguably the best golf sim ever."

Boot

"★★★★★"

"An absolute model of perfection. Graphically meets or exceeds anything on the market, including Links LS."

Computer Gaming World

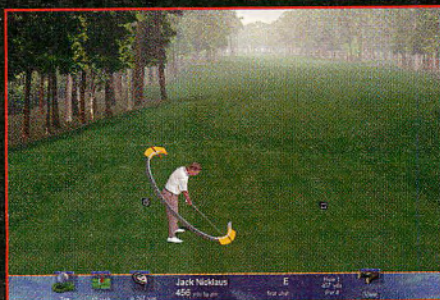
- **Stunningly Gorgeous**
Graphics so detailed they look like photos.
- **Complete Course Designer**
Design your own courses. Or, import any of the hundreds available on the web.
- **Most Realistic Golf Game Ever**
Highly-accurate ball physics, multiple swing meters, new green reading tools and more!

Featuring **5** Jack Nicklaus designed courses:

Colleton River Plantation • Country Club of the South • Muirfield Village
Cabo del Sol • Winding Springs • **Includes 90 holes.**



Beautiful high speed graphics, a true physics model, more realistic swing meters, better putting and unlimited camera positions.



Intensity control lets you shape shots with club selection and power.



Use the powerful designer to create your own masterpieces or play courses created by others.

ACCOLADE™



Eclipse



800-229-2714

Call for a free catalog or visit our website at www.wizworks.com

MacSoft®

An Affiliate of GT Interactive Software
2300 Berkshire Lane, Plymouth, MN 55441 612.509.7600

Jack Nicklaus and the Golden Bear symbol are registered trademarks of Golden Bear International. Accolade is a trademark of Accolade, Inc. Apple, Macintosh, and MacOS are registered trademarks of Apple Computer, Inc. All other product names are of their respective owners. Produced in association with Jack Nicklaus Productions, Inc. Developed by Eclipse Entertainment. Published under license by Accolade, Inc. ©1997 Accolade, Inc. All rights reserved.



reviews

Links LS

COMPANY: Access Software

CONTACT: 800-800-4880 or 801-359-2900, <http://www.accesssoftware.com>

PRICE: \$79.95 (SRP), \$39.95 (direct)

REQUIREMENTS: PowerPC, System 7.5.1 or later, 16MB of RAM, 40MB of free hard disk space, CD-ROM drive, 800-x-600 resolution with thousands of colors or better

Golf sims are few and far between on the Mac. Sure, they abound for the PC, but only Access Software consistently ports its strong Links series. And while this Links LS trails a year behind the PC version, it's still the best golf action on the Mac today.

Links LS is as real as it gets without a tee time. First off, the players are video-captured 3D golfers. Just choose one of four likenesses: two males, one female, and one golfing legend—Arnold Palmer (no minority players, unfortunately). The players even make comments, albeit lame ones, during play, and you can record your own colorful interjections.



NEW LUSH GRAPHICS in Links LS prove that you can't find a more beautiful golf game anywhere.



ARNIE narrates the description of his home course, Latrobe Country Club.

The game's shining feature is the courses. Links LS highlights three new championship rounds, all of which have video flybys, histories, and even 3D tours of select holes. Start with the tour of Kapalua Village in Maui, Hawaii. It's a forgiving course where the holes are wide and the par 4s short. Once you've mastered The Village, load Kapalua Plantation, where accuracy is key, or the Latrobe Country Club, Palmer's home green near Pittsburgh, Pennsylvania. Both courses offer challenge and play very well.

The last Mac version—Links Pro—looked good, but Links LS looks outstanding. Gaze on lush, green trees; soft, puffy clouds; richly textured mountains; varying degrees of shadows; and even the stripes created by lawn mowers. These details can be seen at many screen resolutions, including a whopping 1,600 x 1,200 pixels with 16.7 million colors. View the courses from a variety of camera angles, including customized views, to get the perfect perspective.

The downside to all these stellar graphics is redraw time. With the details set to high, it takes an average of nine seconds to redraw the screen after every shot. Turning the detailing to low cuts this time in half, but the wait still adds up. And anyone lacking the 150MB of hard disk space needed for a full install of Link LS faces an even longer delay as the game accesses the CD-ROM drive.

Don't be deterred; Links LS is worth the wait. The gameplay is improved from earlier versions, with more accurate ball dynamics (although still not perfect) and better swing meters. Plus, you now can play one of four different golf games: stroke, match, best ball, and skins. It's a fun game with a firm place atop the golf sim leader board. —Dean Renninger



GOOD NEWS: Beautiful, richly detailed graphics. Better gameplay.

Supports high screen resolutions. Good network and Internet play.

BAD NEWS: Ball dynamics aren't perfect—yet. Slow redraw times.

Still a version behind the PC.

Don't Stop Now!

Although Links LS comes with three courses, they aren't the only ones you can play. If you own any of the previous Links courses, you can easily convert your old courses to be playable in Links LS. But some of the best courses can be found in these new add-ons:

Congressional Country Club Bethesda, Maryland

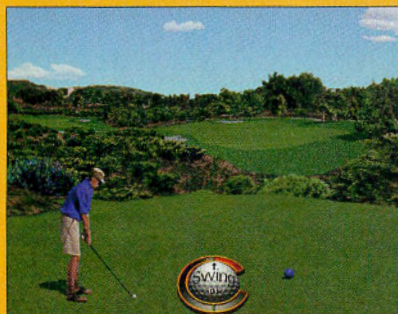
Price: \$29.95 (SRP), \$19.95 (direct)

If you thought the pros at the 1997 U.S. Open were whining too much about the six-inch roughs, here's your chance to put up or shut up. Since its opening in 1924, Congressional has gotten the better of many pros, presidents, and dignitaries due to its narrow fairways, long holes, and tall roughs. The last two holes are absolutely gorgeous!

Pelican Hill Golf Club Newport Coast, California

Price: \$29.95 (SRP), \$9.95 (direct)

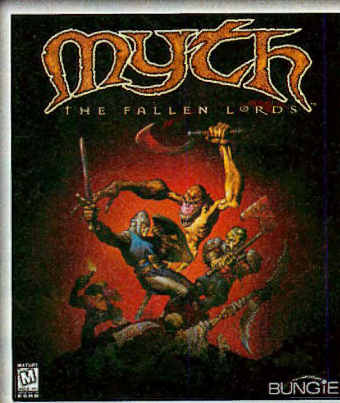
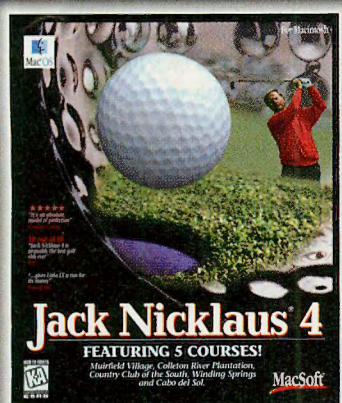
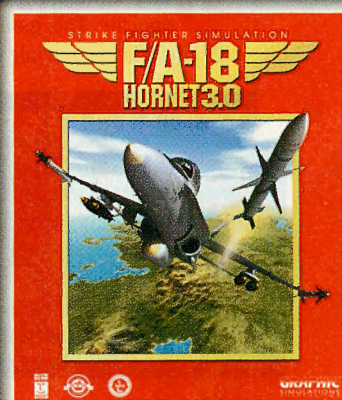
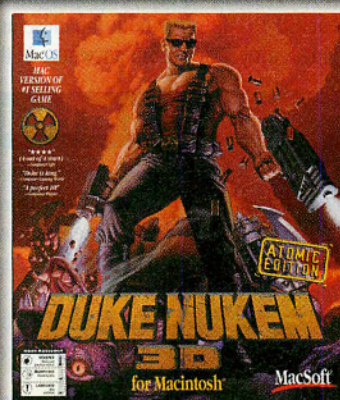
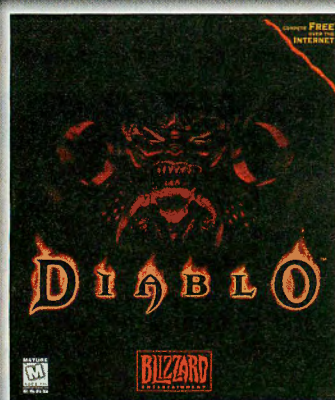
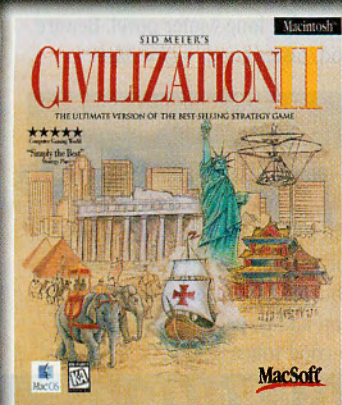
This course may not have the storied tradition of Congressional, but it does have great views of the Pacific Ocean on every hole. The eucalyptus trees and the ocean can be forbidding, but the 18th hole also has you hitting over a canyon—twice. This one isn't easy, but it's lots of fun.



OFF THE TEE, OVER THE CANYON, off the green, into the hole—nothing but cup. Getting over this monster canyon on the 18th hole of Pelican Hill can be daunting.

The Best of the Best Mac Games

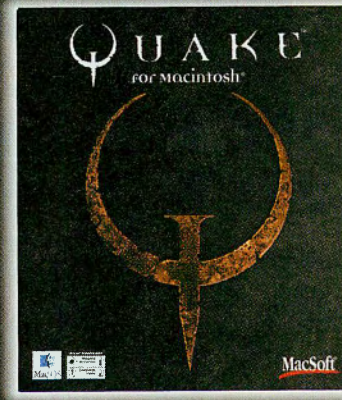
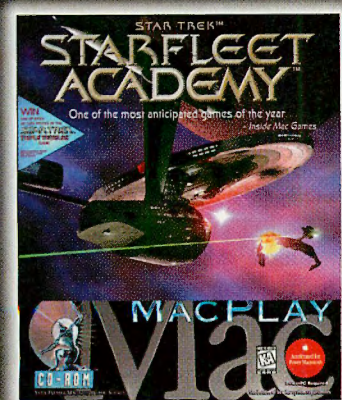
Buy Two, Get One Mac Game Free*



OFFER AVAILABLE AT



*Free title by mail, select titles apply.
See store for complete promotion details.



Diablo™ ©1997 Blizzard Entertainment. All Rights Reserved. Starfleet Academy Software ©1997 Interplay Productions. All Rights Reserved. F/A-18 Hornet ©1997 Graphic Simulations Corporation. All Rights Reserved. Myth: The Fallen Lords™ ©1997 Bungie Software Products Corporation. All Rights Reserved. Quake® ©1996, 1997 Id Software, Inc. All Rights Reserved. Duke Nukem™3D ©1996, 1997 3D Realms Entertainment. Master of Orion™II: Battle at Antares™ ©1996, 1997 Microprose Software, Inc. All Rights Reserved. Civilization®II ©1996, 1997 Microprose Software, Inc. All Rights Reserved. Jack Nicklaus®4 ©1997 Accolade, Inc. All Rights Reserved. Quake® is a registered trademark of Id Software, Inc. Star Trek and Starfleet Academy are trademarks or Paramount Pictures. Mac and Macintosh are registered trademarks of Apple Computer, Inc. All other trademarks are the property of their respective companies.



cd-roms

SIMPSON'S VIRTUAL SPRINGFIELD ■ GRAHAM KERR'S SWIFTLY SEASONED ■ STARRY NIGHT DELUXE ■ SPEED READER ■ EXOTIC SUSHI

Don't let those postsummer blues spoil your multimedia appetite. This month our CD-ROMs serve both Japanese and TV chef à la carte. While gorging, enjoy a view from anywhere in the

universe or the Simpsons' hometown. Then hang up those walking shoes and prepare your eyes for a quick read of that long winter novel. Beware, however; not everything that looks good, tastes good. —Joe Mahr

The Simpsons' Virtual Springfield

COMPANY: Fox Interactive
CONTACT: 310-369-7000,
<http://www.foxinteractive.com>

PRICE: \$29.98 (SRP)

REQUIREMENTS: PowerPC or faster,
System 7.0 or later, 16MB of RAM, 1MB of free
hard disk space, 4X CD-ROM drive



It's finally here. Those fluffy clouds, those rolling hills, those...nuclear cooling towers. Rip through the package faster than Barney sucks up a sixer of Duff, pop in the CD-ROM with the vigor of Homer devouring his morning donut, and discover a disc that would make even Ned Flanders dang-diddly-darn disappointed.

The gist of the CD is to wander around Springfield visiting about a dozen Simpsons sights—such as their church and house. Collect things and play games along the way. Have a good time.

But it's not going to happen. Movement around town is restricted to block by block. See something interesting along the way? Too bad. However, take a nice long pause at every corner, where the game stalls for 10 seconds to load from the disc. Meandering from site to site sometimes requires walking a dozen or

more blocks—stopping and loading, stopping and loading.

Granted, once there, the actual places are a little better. The graphics are dead-on, and the jokes are OK. But after the material runs, you're back on the stop-and-go path. As Homer would say, "Lousy no-good rotten disc."

The Last Words:

Mark: This Springfield consists mostly of facades and false fronts. There's no there there.

Judy: I was looking forward to really getting to traipse about Springfield—and have been left on the bus. I am saddened even further by the gravely missed opportunity to create wonderfulness. Shame on you, Fox.

Joe: The 23-page introductory book was hilarious, which made the disc all the less bearable. As a resident of Springfield, Illinois, the reputed home of the Simpsons, I'm having a cow, man.



AY CARUMBA! Lotsa hype, little quality—smells like a Sideshow Bob production.

Graham Kerr's Swiftly Seasoned

COMPANY: Sierra Home
CONTACT: 800-757-7707 or 425-
649-9800, <http://www.sierra.com>

PRICE: \$29.95 (SRP)

REQUIREMENTS: 68040 or faster,
4MB of RAM, 10MB of free hard disk space,
2X CD-ROM drive, 13-inch or larger monitor with
at least 256 colors



Swiftly Seasoned earns a swift toss in the scrap bin with its classic lack of originality.

Granted, The MasterCook CD-ROM series, to which this belongs, has an easy, if bland, interface that's very customizable. Use it to search Swiftly Seasoned's 140 recipes by style or nutrition, and collect favorites. Print them out and exchange them with friends.

Just don't expect to see what you're making. There are hardly any photographs of the dishes. Instead, Sierra went with basic click-and-scroll text, offering few movies of anything of interest—and nothing that hasn't already been on Kerr's TV shows.

It seems disc space has been saved for Sierra's bold new undertaking called Graham's Scrapbook (though it beats us *why*). Find pictures of Graham in the New

Zealand Air Force (as chief catering officer) in 1958 or of Graham by his new sailboat in 1972. Please pass the Eject button.

The Last Words:

Mark: What's with Graham's Scrapbook? What a pointless piece of self-indulgence. I'd rather see photos of the dishes and their assembly than snapshots of the chef as a chubby-cheeked toddler.

Judy: Swiftly seasoned, swiftly tossed as an entrée, and even more swiftly tossed as a cold leftover from an overextended cook in the development department with very bland taste.

Joe: Sorry. Kerr's general kookiness may win over viewers, but the warmed-over interface and lack of originality leaves this hombre hankering for more.



A CANNED INTERFACE and sprinkling of multimedia gives the CD connoisseur gas.

Starry Night Deluxe 2.0

COMPANY: Sienna Software
CONTACT: 800-252-5417 or 416-410-0259, <http://www.siennasoft.com>
PRICE: \$89.95 (SRP)
REQUIREMENTS: 68040 or faster, System 7.0 or later, 8MB of RAM, 10MB to 40MB of free hard disk space, 256-color monitor



Check out the night sky surrounding your house—or your mom's house in Des Moines 10 years ago or the friendly alien's pad across the solar system 30 years from now—with this powerful simulator of the beyond.

Just punch in any date from the 14,000 years offered. Pick nearly any place in the universe, and quickly teleport there. Punch in your birthday to see how the sky looked when you were hatched. Better yet, punch in a date nine months earlier to see what kind of divine

intervention was working in Dad's favor.

View any of 19 million objects, the likes of recently emerging stars or the nearly junked Mir space station. Take a ride on a comet, or just lie back on the grass and speed up time.



THANK HEAVENS! A stellar performance from the stargazers at Sienna.

The Last Words:

Mark: The opportunity to float above Saturn checkin' out the stars is a guaranteed Mark-pleaser. I love all the display options—yes, thank you, I'll have a Plane of the Ecliptic—and it's cute to look back at our rapidly receding solar system from the vantage point of comet Halley or Hale-Bopp.

Judy: Buckle up, get going on the rocket launcher, and cruise the space above us: planets, constellations, lonely stars, our very own big blue marble.... How's an editor supposed to get any work done?

Joe: Sure, checking out the view from Mars has its kicks. But I was surprised how much fun I had just watching the stars circle over Toledo, Ohio. Now *that's* entertainment.

Ultimate Speed Reader

COMPANY: Davidson
CONTACT: 800-545-7677 or 310-793-0600, <http://www.education.com>
PRICE: \$30 (street)
REQUIREMENTS: 68040 or faster, System 7.1 or later, 8MB of RAM, 2X CD-ROM, 13-inch or larger monitor with at least 256 colors



Read faster. Now *faster*. Now *FASTER!* Alright, so speed reading isn't exactly rocket science, and Davidson's disc is more drill sergeant than professor, but the exercises and gentle coaxes make it easy to learn nonetheless.

Practice deciphering letters as they flash across the screen. Or set a pace with a passage on the Model T—complete with a question and

answer session to make sure you weren't cheating. There's a half-dozen different games geared to turning that slow, blank gaze into a honed reading machine. Charts and graphs help measure progress while a computer narrator cheers you on.

The interface is easy on the eyes, but the go-get-um narration can become a little annoying. The upshot: The disc works.



ZIP THROUGH MOBY DICK with a whale of an educational CD—so long as your eyes don't abandon ship.

The Last Words:

Mark: The interface is pretty and efficient, and the reading passages are actually quite interesting, which in itself helps reading comprehension. Nice work.

Judy: I'm usually wary of the "We can improve your skill level" discs. But much to my surprise, this one actually works. If you have the motivation, increase the font size to 16, and go to town.

Joe: It's nice. It's simple. It works. And except for the expected contrite narration of an educational CD-ROM, the disc can actually be—gulp—fun.

Exotic Sushi

COMPANY: Bandai Digital Entertainment
CONTACT: 888-992-9000 or 714-816-9700 ext. 730, <http://www.bdec.com>
PRICE: \$14.95 (SRP)
REQUIREMENTS: 68040 or faster, 8MB of RAM, 4X CD-ROM drive, 8-bit color graphics (16-bit recommended)

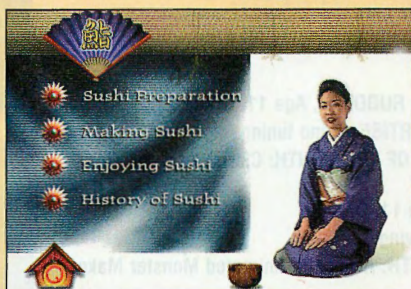


Seeing sushi secrets may lead the curious to this disc, and admittedly, it will teach the basics of fun with raw fish. Just don't expect a full meal from lukewarm navigation and sparse information.

Exotic Sushi lays out all the ways you can shape seaweed and rice into something eatable. Start with a beginner's California roll, and climb the culinary ladder up to expert level: nigiri sushi. Watch movie snippets along

the way on a variety of sushi topics—such as slicing tuna or spreading soy sauce. To complete the international flair, the lessons come subtitled in five languages other than English.

But don't be surprised if your stomach turns from the interface. There's no Back button, and, at least for half the disc, there are few hyperlinks to sections on similar topics. Each sushi type lists nutrition and ingredients, but finding that special sushi may take some time without a database.



SUSHI DISC DOESN'T SATISFY a healthy appetite for knowledge.

The Last Words:

Mark: Harmless and possibly educational (I never knew it was cool to eat sushi with your fingers). At \$15, it'll show how to roll your own for the cost of a sushi snack.

Judy: Disc content doesn't reach beyond the simple. The etiquette and nutritional information (not seen elsewhere) are helpful, but in all, this disc left me craving more.

Joe: It definitely uses enough movies to whet my appetite. But ho-hum production throughout seems like a raw deal.



Kidz Stuff

Local Brisbane school kids get Mac-addicted to children's software and live to tell about it.

Ready for Math With Pooh

COMPANY: Disney Interactive

CONTACT: 800-237-5751, <http://www.disneyinteractive.com>

PRICE: \$35 (street)

REQUIREMENTS: 68040 or faster, System 7.1 or later, 8MB of RAM (16MB for Power Macs), 2X CD-ROM drive



fruits and veggies to their corresponding jars in Pooh's pantry, and follow along with Tigger's numbered blueprints to create crazy contraptions. A glorious garden makes a healthy reward for hardworking number wranglers.

GOOD FOR GRADES: Preschool to 1

LIKES: "Great graphics, good math skills for kids to learn, lots of different math to do." ■Rockson

"If I was little, I would love it." ■Lena

"The games and characters." ■Blanca

DISLIKES: "You do the same thing in one house—you can't do anything else but the one game that they give you." ■Benjamin
"The rhymes are boring."

■Jeremy

SOUND ADVICE: "Make more games." ■Megan

FINAL REPORT: Pooh's math games charm young number crunchers.



Meet the players...



JERAMY ROBISON, Age 11, Grade 6
EXPERTISE: Sports casting
PICK OF THE MONTH: Awesome Animated Monster Maker Ultra Edition



BROOKS WILSON, Age 15, Grade 9
EXPERTISE: Collecting butterflies
PICK OF THE MONTH: Awesome Animated Monster Maker Ultra Edition



BIANCA ROBINSON, Age 10, Grade 5
EXPERTISE: Computer repairs
PICK OF THE MONTH: ClarisWorks for Kids



ROCKSON YAN, Age 12, Grade 7
EXPERTISE: Flying kites
PICK OF THE MONTH: ClarisWorks for Kids



MEGAN SALMON, Age 12, Grade 7
EXPERTISE: Face painting
PICK OF THE MONTH: ClarisWorks for Kids



BENJAMIN WILSON, Age 11, Grade 6
EXPERTISE: Classic cars
PICK OF THE MONTH: ClarisWorks for Kids



LENA RUDOLPH, Age 11, Grade 7
EXPERTISE: Piano tuning
PICK OF THE MONTH: ClarisWorks for Kids



ERIC GRIFFIN, Age 11, Grade 6
EXPERTISE: Skydiving
PICK OF THE MONTH: Awesome Animated Monster Maker Ultra Edition



SOLVE MATH QUANDARIES with Pooh's posse to make your knowledge garden bloom and grow, then chow down on the fruits of your labor.



Just Grandma and Me

COMPANY: Living Books

CONTACT: 800-548-1798 or 415-382-4700,

<http://www.broderbund.com>

PRICE: \$29.95 (SRP)

REQUIREMENTS: Performa 400 or faster, System 7.0 or later, 8MB of RAM, 2X CD-ROM drive



Join Little Critter and his fun-loving grandma on a point-and-click beach adventure that will quickly have your tongue day-tripping over your choice of French, Spanish, German, or English. This latest twist from Living Books is

more than just an interactive storybook with the typical clickables; it also teaches young kids basic words in foreign tongues by allowing them to listen to the story in the language of their choice. A clever sticker game teaches tots to match items with their names and repeats those names aloud in whatever language is selected from the toolbar at the bottom of the screen.

GOOD FOR GRADES: Preschool to 1

LIKES: "I like how it lets you choose the language—French, German, Spanish, or American." ■Jeremy

"When you press on an object, it will move." ■Megan

"I liked this program because it looked like little kids would like it." ■Eric

DISLIKES: "I do not like the games." ■Bianca

"There are too little games to play." ■Rockson

SOUND ADVICE: "Give it more directions." ■Lena

FINAL REPORT: It sports a certain *je ne sais quoi* that kids find attractive.



MULTILINGUAL CRITTER TALE cashes in on its international appeal in this disc at the beach.

Awesome Animated Monster Maker Ultra Edition

COMPANY: Houghton Mifflin Interactive

CONTACT: 800-829-7962 or 617-503-4888,

<http://www.hminet.com>

PRICE: \$34.95 (SRP)

REQUIREMENTS: 68040 or faster, System 7.1 or later, 8MB of RAM, 2X CD-ROM drive



These days you don't have to be a grave-digging psychopath, a sheep-cloning scientist, or a presidential adviser to make your own monster. You just have to slip into Dr. Lizardlip's lab and mix and match a few squiggling parts with a dash of personality. Once you've finished customizing your creature, you can take him out to play in any of the 14 fun-filled rooms that make up Creepy Castle. Take on Diaper Dan in a hairy Judo match, run the deli obstacle course, or swing to the beat of a jazzy little tune called *Funky Green Beans* in a dungeon drab lounge.

GOOD FOR GRADES: Preschool to 5

LIKES: "Good graphics and fast, funny, fun, good characters."

■Jeremy

"It was so fun. I liked everything." ■Eric

"I liked that it wasn't just making a monster but also seeing other monsters and doing games and stuff with your monster."

■Lena

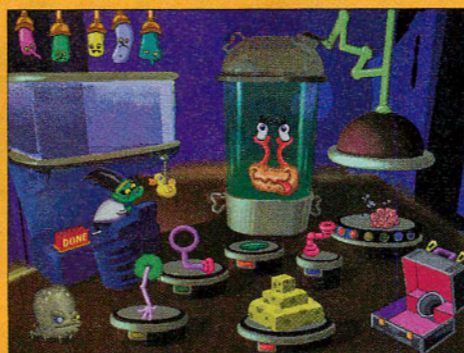
DISLIKES: "Too little information and not many games to play with your monster." ■Rockson

"How your parts are limited." ■Bianca

SOUND ADVICE: "I would have explained what to do and how to do it in an easy way." ■Megan

FINAL REPORT:

Creepy creature features make a monster hit.



MAN-MADE MONSTERS turn Creepy Castle into a ghoulishly great playground writhing with parts.

ClarisWorks for Kids

COMPANY: Claris

CONTACT: 800-544-8554 or 408-727-8227,

<http://www.claris.com/kids>

PRICE: \$49 (SRP)

REQUIREMENTS: 68020 or faster, System 7.1 or later, 8MB of RAM (10MB of RAM for System 7.5 and 7.6), 2X CD-ROM drive



All kids eventually grow to become adults, do adult jobs, make adult decisions, and use complicated software programs designed for adults. To help soothe the inevitable growing pains, Claris designed a simplified version of its popular productivity software, ClarisWorks. ClarisWorks for Kids makes it easy for kids to draw, paint, and write using simple, straightforward software. Although it's not plot-driven, and there's no cute host to explain things when you get confused, the program includes a slew

of fun activities, QuickTime movies, and clip art to make it fun for future grownups.

GOOD FOR GRADES: Kindergarten to 5

LIKES: "It was easy to understand. It didn't have a lot of things you had to do." ■Brooks

"Great sounds and colors." ■Benjamin

"I like the games and activities because they are fun." ■Bianca

"Very simple for little kids to use. This software could be for beginner adults."

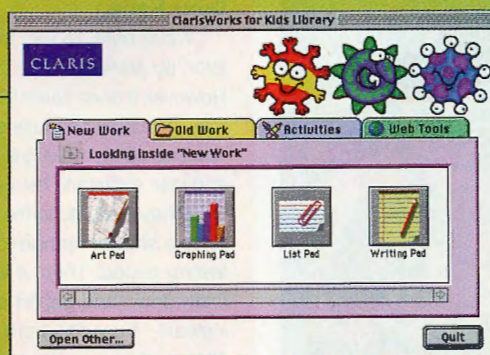
■Rockson

DISLIKES: "In the beginning it was very complicated, and there was not enough simple questions." ■Megan

"It was a little bit too slow in the beginning." ■Rockson

SOUND ADVICE: "I think it needs more directions." ■Lena

FINAL REPORT: ClarisWorks for Kids works for kids.



CLARISWORKS DYED ITS GRAYS and now looks 20 years younger, with a playful personality to match.

The Jolly Post Office

COMPANY: DK Multimedia, Inner Workings Software
CONTACT: 800-356-6575 or 212-213-4800, <http://www.jollypostman.com>
PRICE: \$24.95 (SRP)
REQUIREMENTS: 33MHz 68040 or faster, System 7.01 or later, 8MB of RAM, 2X CD-ROM drive

Travel all the way to this backwoods Scottish post office to help a beleaguered postman weigh parcels, sell stamps, design postage, sort mail, and make stationery. This kids' activity center, based on Janet and Allan Ahlberg's Jolly Postman books, teaches math, geography, and art through a dull simulation of postal duties. Although the drawings would be charming in book format, the CD-ROM activities serve only



IF THERE'S ANYTHING MORE BLAND than English food, it's got to be a Scottish post office.

to make you feel sorry for your own disgruntled postal worker.

GOOD FOR GRADES: Preschool to 2

LIKES: "You get to print out money." ■Eric

"Helps kids learn about states to send letters to. Kids can look at the fake, drawn stamps so that they can learn to draw ones too." ■Rockson

DISLIKES: "The colors were not bright and fun to look at, and it didn't have enough information." ■Megan

"Not enough clues on how to play the games. Bad pictures!" ■Jeremy

"It doesn't give enough directions. It doesn't have good color." ■Lena

SOUND ADVICE: "Give it more things to do." ■Benjamin

FINAL REPORT: Pulling postal duty is about as much fun as it sounds.

Babes in Toyland

COMPANY: MGM Interactive
CONTACT: 800-MGM-5808 or 708-799-2350, <http://www.mgm.com>
PRICE: \$29.95 (SRP)
REQUIREMENTS: 68040 or faster, System 7.0 or later, 8MB of RAM, 2X CD-ROM drive



Right before Santa Claus arrives for his annual toy pickup, Crooked Man Barnaby steals the bag from Jack and Jill and scatters the big guy's gifts all over Toyland. You've got to help the kids recover the toys by seeking them out and winning their rescue.

Be prepared to cover a shift at the Toy Factory, help the little old lady who lives in a shoe find her numbered sets of hidden children, and piece Humpty Dumpty back together again. Three levels of difficulty mean that when the puzzles are easy, they're very, very easy, and when the puzzles are set to the highest level, they can be wicked hard.

GOOD FOR GRADES: Preschool to 3

LIKES: "Great games—little kids would like to play games with the children in the program." ■Rockson

"I liked the color and the obstacles you have to go through

to get a toy." ■Megan

DISLIKES: "It is easy to get all the toys, and the words are babyish." ■Benjamin

"I didn't like that the last toy was so hard to find." ■Eric

SOUND ADVICE: "I would make the last toy more visible." ■Eric

FINAL REPORT: Santa's helpers seem to enjoy their jobs, despite the lousy pay.



A TOWN OF TOYS is almost better than a gingerbread house laced in icing and dipped in chocolate with a caramel chaser. Mmm.



Ask Nikki

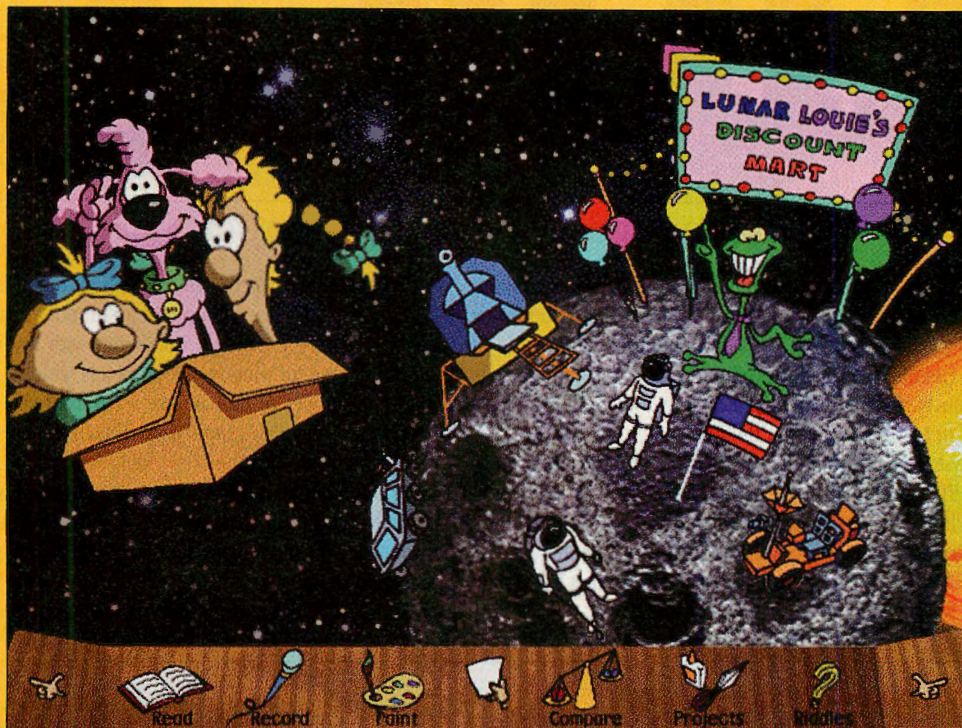
Dear Nikki,

OK, man, I have some real problems—when my glorious, glorious magazine arrives in the mail, my mother immediately confiscates The Disc. Her explanation is that if I had access to the Holy Disc of MacAddict, I would fill our hard drive with what she calls "bells and whistles" and what the rest of us sane Mac addicts know as personalization utilities. How can I convince my mother to let me keep The Disc and allow me to personalize my Mac? (Poor Rupert is still listed as Hard Disk.) Kane MacAniff

Dear Kane,

We're sorry to say that mothers are generally not to be messed with, even by professionals. They're tough, stubborn, and much-too-often right. However, it does seem like your mom is being slightly overprotective of your Mac, probably because she doesn't really understand what you want to do. You should try making a list of the utilities on The Disc that you want to use and then explain to her exactly how much hard disk space they take up and what they really do to the System. If she refuses to budge, whittle down your list to a smaller number of demands and offer to install the utilities for a trial testing period. Then, if any System conflicts do arise, it'll be easier to pin them down and get rid of them. If none of that works, try asking your dad instead—it used to work for my sister. —Nikki Echler

(Kids, send your questions to Ask Nikki at MacAddict, 150 North Hill Drive, Suite 40, Brisbane, CA 94005. Maybe she'll answer them, maybe she'll just laugh hysterically until she passes out.)



"Without a doubt the top space-education title"

— Videogame Advisor

Introducing Connie & Bonnie's Birthday Blastoff.™ The latest sign of intelligent life.

Connie & Bonnie's Birthday Blastoff is the first title in our Active Stories™ series of "animated books that make learning come alive."™ It's an interactive interstellar adventure offering a view of space second only to the front seat of the Discovery shuttle.

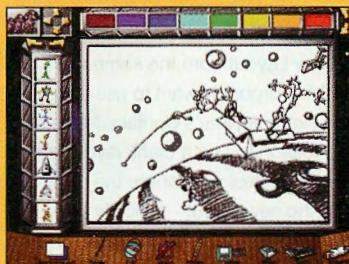
A launch pad for learning.

Every page provides new adventures and new things to learn. As Connie and Bonnie speed past Mars, kids discover why it's red, and how much they would weigh standing on its surface. Fun riddles then challenge your kids to apply their newfound knowledge.

And to encourage further exploration, each page suggests activities away from the computer, like using a flashlight and an apple to study eclipses.

More fun than zero gravity.

From connect-the-dots constellations to genuine NASA videos, we have every outer-space activity imaginable. And with our "learn as you play" philosophy, they all educate while they entertain. One small step by you will help your kids make a giant leap in learning. Call 1-888-201-5337 today to try the software, risk-free for 30 days. If you're not completely satisfied, return it and you'll owe nothing. Or keep it for \$29.95 plus \$4.95 shipping and handling.†



Kids can paint using the fun stamps, colors and backgrounds provided.



THE SEARCH FOR INTELLIGENT LIFE BEGINS AT HOME.™

**Try it risk free for 30 days
Call 1-888-201-5337**



©1997 Active Arts, Inc.† Shipping and handling may be slightly higher outside the continental United States.



Offer ends
February 1, 1998



how to

build tabs in FileMaker

Update your FileMaker database to give it that modern, tabbed look.

You've probably noticed that most new software has adopted tab controls to help you navigate complex dialog boxes or multipage documents. If you're designing your own file in Claris FileMaker Pro, however, you'll find that tab controls are conspicuously absent from the available tool options. That's before *MacAddict* went to work on the problem.

In this how-to, you're going to use invisible buttons and a bit of art to imitate the missing tab tool in FileMaker Pro. To save you a step, we've included tab-art files on The Disc. We kept the tab design simple, imitating the basic gray user interface elements that are the Mac OS base. If you want to see what the finished product looks like, check out the file *finished.db* on The Disc.

What you learn here can be applied to any FileMaker document design, but there are a couple of assumptions implicit in our example: (1) You're creating a document with five tabs, and (2) Your overall document window is 640 pixels wide. If you need to build a different number of tabs or use a different size window, you'll first need to edit the files supplied on The Disc.

Once you master the basic idea behind this how-to, you'll want to try out a bunch of variations: colored tabs, vertical tabs, variable-size tabs, and more. The art files on The Disc are supplied in PICT format, so you can open them up in virtually any graphics editor and then start making your own customizations. You'll find that it's quite easy to update the look of your database. —*Thom Hogan*



FIND
SAMPLE
FILES on
The Disc.

STEP 1 Get Started

Launch FileMaker Pro. We're going to assume that you already have defined fields for your data and are simply trying to spiff up the visual aspects of your document. If you haven't, you'll want to create a new database. (Select "Create a new empty file," or select one of the templates in the dialog and "Create a new file using a template," and click OK.) If you're creating a new database, FileMaker brings up the Define Fields dialog to ask you what data you want to track.

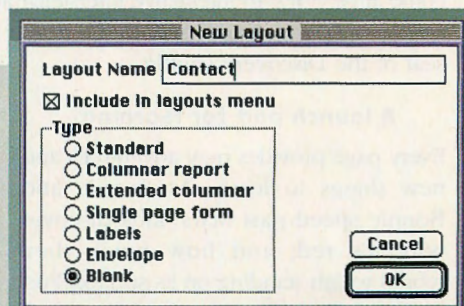
If you want to use the file we used in the examples here, select "Open an existing file" and use the Open File dialog that appears to navigate to *howto.db* on The Disc. The fields for this file are already set up and ready for layout.



OPEN THE DATABASE you want to customize.

STEP 2 Start a New Layout

In the Mode menu, select Layout. Next, select New Layout from the same menu. In the dialog box that appears, name your layout. You'll probably want to use the same name that you're going to put on the tab. For our example, that's Contact. Make sure the Blank button is selected, and click OK. (The reason to use a blank layout is that you want to put graphics on the form before having to deal with where the fields go. You could let FileMaker put field information onto the new layout—typically using the Standard layout—but it just gets in the way during the design stage.) While you're on this step, repeat the process four more times to create the remaining layouts for the other tabs (we named them Work, Remote, Family, and Notes).

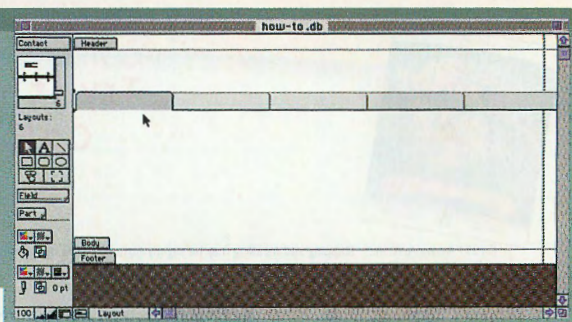


NEXT, START a new layout for the database.

STEP 3 Grab a Tab

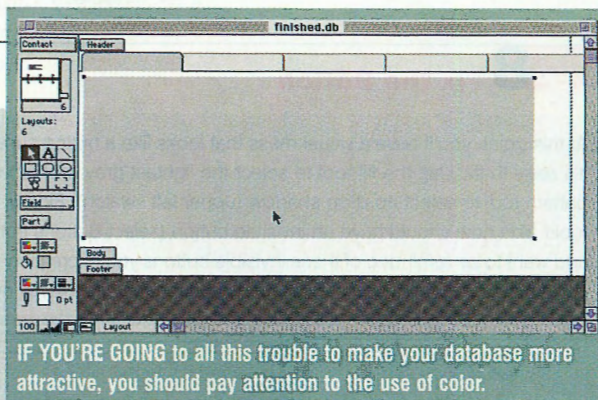
Use the layout pop-up to go back to the first layout you created (Contact). Select Import Picture from the Import/Export item on the File menu. Use the File Open dialog that appears to navigate to *tab1.pict* on The Disc, and click OK to open it. You should see the tab bar appear in your layout. Move it to the top of the window, making sure that it goes all the way to the left edge.

VOILÀ!
You have a
picture of
a tab bar
in your
database
layout.



STEP 4 Fill In the Background

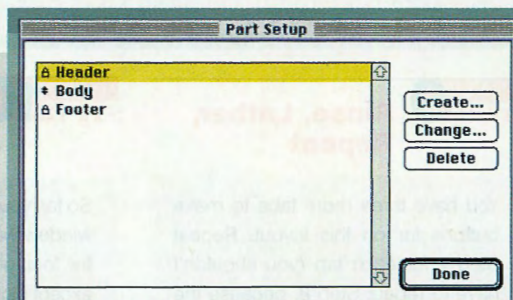
Good tab design uses subtle color differences to let the user know which tab is active. Use the fill pop-up to select the third gray from the bottom, which matches the gray we used in the background of the selected tab. Use the line pop-up to select None. Now select the rectangle tool and drag a rectangle from the bottom-left side of the tab bar to the lower right corner of your window. Position this gray rectangle so that there is no gap between it and the tab bar but also so that it doesn't overlap the bar (you should still see the black line going across from the first tab to the right edge of the window).



IF YOU'RE GOING to all this trouble to make your database more attractive, you should pay attention to the use of color.

STEP 5 Turn Off Superfluous Goodies

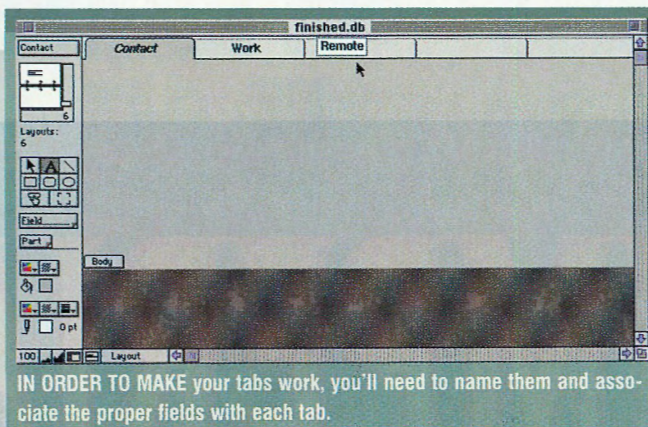
Normally, you'll want the tabbed window to be headerless and footerless. In the Mode menu, select Parts Layout. In the dialog that appears, delete the Header and Footer areas.



IN A TABBED WINDOW, headers and footers are extraneous. Delete them.

STEP 6 Name Your Tabs and Add Fields

Select the text tool "A", and type in names on each of the tabs. Next, drag appropriate fields from the Field tool into your layout. After you've dragged the first field into the layout, make sure it's selected, and use the fill tool to select white. The field should turn white, and any additional fields you drag over afterward also will be white.

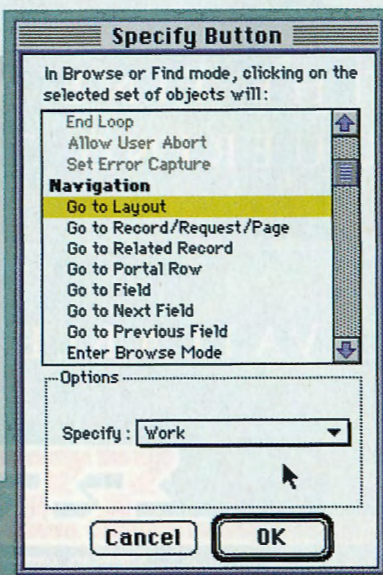


IN ORDER TO MAKE your tabs work, you'll need to name them and associate the proper fields with each tab.

STEP 7 Make the Tabs Work

Now that you've got one tabbed window looking the way you want, you need to make the other tabs take you to the appropriate layout when you click on them. For each tab, you need to create a button. Select the button tool, then drag from the top left to the bottom right of the second tab. In the Specify Button dialog that appears, scroll down to the Navigation section, and select Go to Layout. In the Options area that displays below your choice, use the select pop-up to choose the layout for the second tab (Work in our example). Click OK.

BELIEVE IT OR NOT,
you'll use buttons to
make your tabs work.

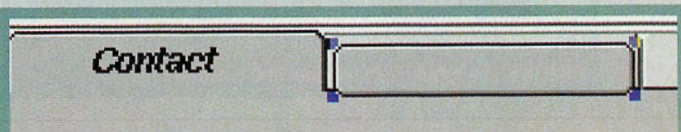


Hot Tip:

On a gray background, white fields look very nice and set off the data from the background.

STEP 8 Fix the Button

At this point, you'll have a visual mess that looks like a button superimposed over the tab. Don't panic, it's easy to fix. Use the fill tool to select the lightest gray (bottom swatch). Next to the fill tool, use the pattern tool to select no drop shadow (upper left swatch). Finally, select a line size of None in the pen tools. You now should have an invisible button (select Buttons from the Show menu if you're paranoid and want to be reminded of these invisible buttons you're creating—they'll be outlined in blue). If you've done everything right, you should have a button that fits exactly over the tab area.



FOLLOW THE STEPS ABOVE to create a button that fits exactly over the tab.

Hot Tip:

If AutoGrid is turned on, you may have a hard time getting the buttons to fit exactly over a tab. The AutoGrid option is controlled by an item on the Arrange menu—a check alongside the item means it's on; select the item to turn it off.

STEP 9 Rinse, Lather, Repeat

You have three more tabs to make buttons for on this layout. Repeat Step 7 for each tab (you shouldn't have to repeat Step 8, because the tools are already set up to create invisible buttons at this point).

STEP 10 Hey, I've Heard About Recursion!

So far, you've managed to make one tabbed window work. Now you have to do the same for four other layouts. Go back to Step 3, except pick your second layout (Work, in our example), and use tab2.pict as your graphic. Repeat for each layout, substituting the appropriate tab graphic.

STEP 11 Test Your Tabs

Select Browse from the Mode menu. Try clicking on the tabs. If you've done your job correctly, every tab should lead you to the correct layout. Each tab you click on should highlight to a darker gray and display the appropriate information for that tab in the area below. If everything works as expected, you're ready to start using your data file.

IMPERIALISM™

THE FINE ART OF
CONQUERING THE WORLD.

AVAILABLE NOW!



A MINDSCAPE® COMPANY

The industry's solution showcase



MACWORLD Expo Conference & Exhibits: January 6-9, 1998

You depend on the Macintosh to get work done faster, to stay connected with colleagues and friends, and turn your best ideas into action. Which is why you can't afford to miss the largest event that brings you the world of the Mac.

Hundreds of New Products and Industry Insights!

Only at MACWORLD Expo can you see and try thousands of products first-hand... learn from Macintosh experts through conferences and keynotes... talk with other Macintosh users and vendors... and stay on top of new developments that could impact your buying decisions. You'll gain valuable insights into how innovative companies are unleashing the power of the Macintosh OS.

Come evaluate cost-saving solutions for:

- Publishing, entertainment and multimedia
- Web site design and Internet navigation
- Networking, intranets and enterprise-wide connectivity
- Education and R&D
- Business and telecommuting

Make plans to attend MACWORLD Expo/San Francisco today!

If the Macintosh is part of your business, MACWORLD Expo is your lifeline. MACWORLD Expo/San Francisco is the industry's premier Macintosh event, and dramatic software introductions scheduled for 1998 may make this year's event the most exciting ever. Gain new insights into the future world of Macintosh... see the hottest and coolest new products... and get the inside view of the Macintosh OS platform. Register to attend today.

Owned & Produced by:



Managed by:



Sponsored by:



For Details:

www.macworldexpo.com
or 800.645.EXPO

Macworld EXPO

san francisco

NEW!

Macworld/Pro Conference

**The Macintosh Professionals
Conference only at MACWORLD
Expo/San Francisco, January 5-7.**

Please send more information on MACWORLD Expo

☐ San Francisco/Jan. 1998

☐ Attending

☐ Exhibiting

ADD

Name

Title

Company

Address

City/State/Zip

Phone Fax

email

Mail to: MACWORLD Expo, 1400 Providence Highway,
P.O. Box 9127, Norwood, MA 02062. Or Fax to: 781-440-0363
THIS IS NOT A REGISTRATION FORM.



how to make an animated GIF

In part 2 of our tutorial, we turn a QuickTime movie into an animated GIF.



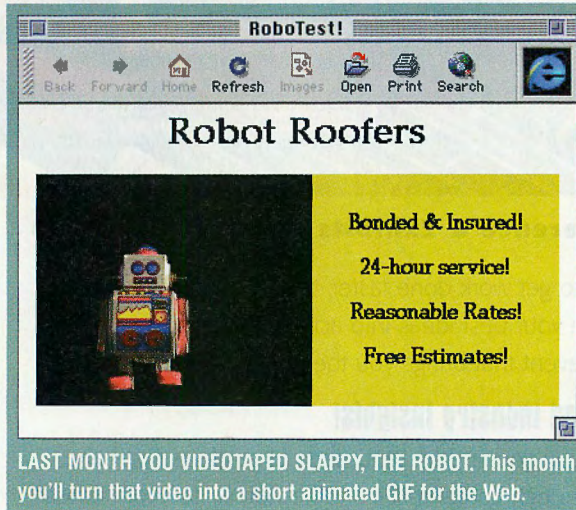
FIND THE
DEMOS,
SHARE-
WARE, AND
FREWARE
on The Disc.



FIND THE
ANIMATED
GIF of
Slappy at
our Web site.

Animated GIFs provide a simple way to add a little spice to your Web page. They're easy to create, they're bandwidth-lite, and almost all the recent browsers can view them. As an added bonus, older browsers that can't display the animation at least can show the first or last frame as a still picture. As long as you use a modicum of taste and restraint, it's a win-win situation, here, folks.

Last month we showed you how to use a camcorder to videotape a moving object and then turn your tape into a short QuickTime movie, ready to be converted into an animated GIF. We videotaped our windup toy mascot, Slappy the Robot, and turned the tape into a three-second QuickTime clip. Then we copied eight frames from that clip



into Adobe Photoshop and gave each one a solid black background so that the background either would blend perfectly into a black background on our Web page or could easily be turned into a transparent GIF color to blend into any other background color.

This month we're going to import those eight tweaked frames into a GIF animation tool, which will turn those frames into a short animated GIF, ready to be posted on the Web. We picked BoxTop Software's GIFmation, but most of this month's work can be done with Yves Piguet's freeware

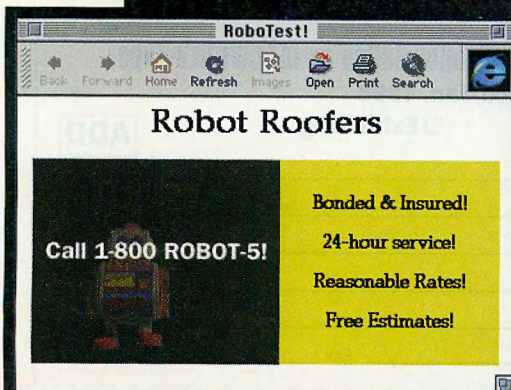
GifBuilder as well. (You can use these

programs and the others listed in "Four Tools for Creating Animated GIFs," p87, on The Disc.) —Joseph O. Holmes

The First and Last Frame

Your visitors may not see this phone number if it doesn't appear in the first or last frame of your animation. Nonlooping GIF animations come to rest at the last frame of the animation. That last frame is the picture your visitors will see after the animation has finished playing. Plan accordingly. Make sure the last frame is attractive or contains information you want your visitors to note. Remember, any visitors using a browser that doesn't display animated GIFs might see only the last

frame or the first frame. To play it safe, important information ought to appear in both the first and last frames. If that seriously interferes with the beauty of your animation, you really ought to rethink whether you need animated GIFs at all.

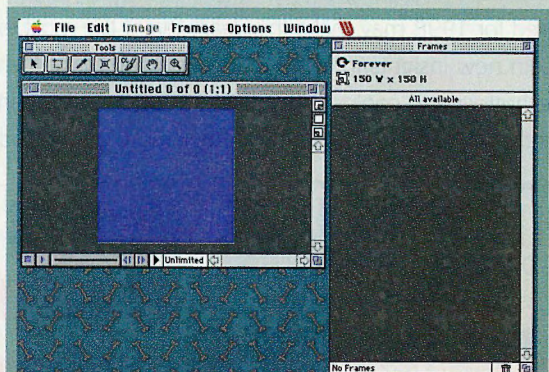


MAKE SURE THAT IMPORTANT INFORMATION appears in both the first and last frame of your animation.

STEP 1 Prepare Your Document

To turn your eight individual frames, straight out of Photoshop, into a GIF animation, you'll import them into BoxTop Software's GIFmation. You can go through all these steps with the demo version, but it lets you save only three frames. Keep in mind that a three-frame animation can be mighty cool.

Open GIFmation and create a new document. You should end up with a blank document something like this illustration, though we've rearranged the palettes and windows a bit, and you probably don't have a *très* cool Wallace and Gromit desktop pattern like this one. (Check out <http://www.aardman.com/wandg/gromit/index.html> for your own).

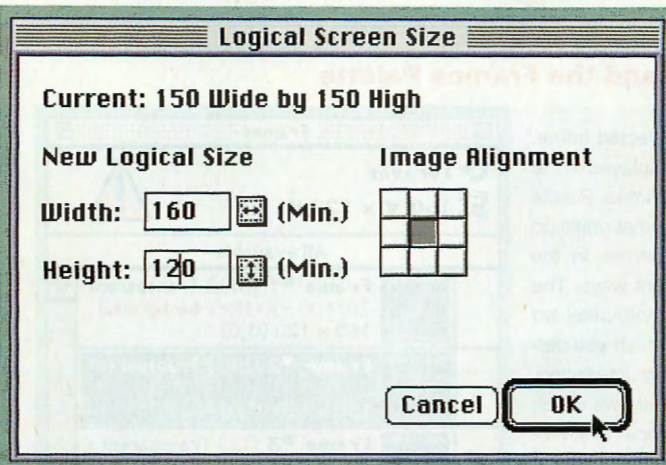


WHEN YOU FIRST OPEN GIFMATION and create a new document, you'll see a screen something like this one.

STEP 2 Set Your Screen Size

Select Logical Size under the Options menu to set the Logical Screen Size to be exactly the same dimensions as your frames. It's likely to be a standard QuickTime size, such as 160 x 120 pixels.

THE LOGICAL SIZE should be the same dimension as your frames—usually a standard QuickTime size.



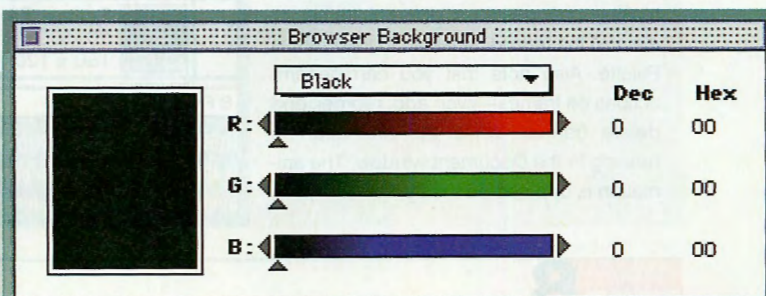
Hot Tip:

You can use Adobe Photoshop to determine and set your background color. Use the eyedropper tool to sample the background color from your Web page, then open the color picker and examine the three settings for R, G, and B. Use the sliders in GIFmation's Browser Background window to set those in the Dec settings.

how to

STEP 3 Change the Background Color

Now use the menu in the Browser Background window to change the Document Window background color to match your Web page and your animation frames. (The Browser Background window appears as a standard palette when you open GIFmation, or you can select Show Background from the Window menu to access it.) If you're using the standard Netscape gray background, set each of the Dec colors to 198 or the Hex colors to #C6C6C6. Save this new, empty GIFmation document with a memorable title.

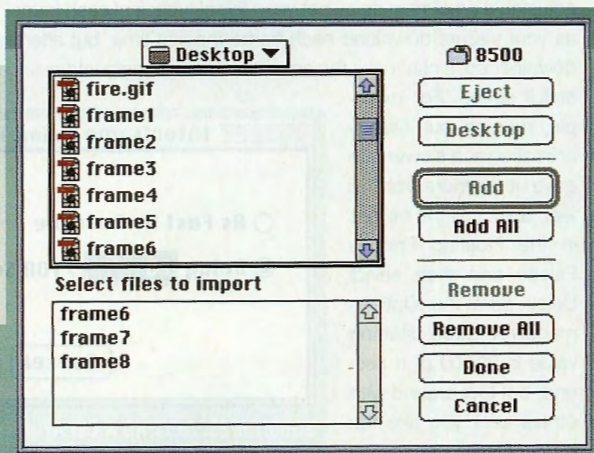


HERE, YOU SET the Document Window's background color to match your Web page.

STEP 4 Import the Frames

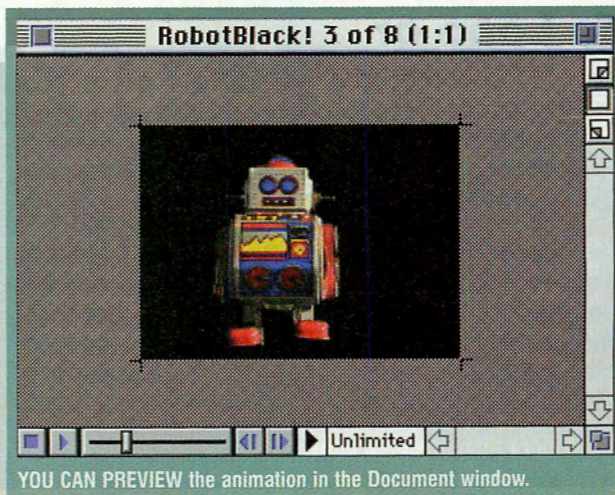
Now we're ready to import all the finished Photoshop frames into this blank GIFmation document. Go to the File menu in GIFmation and select Import. You'll have five importing choices: GIF, File, Multiple, QuickTime, and Photoshop. If you choose File, you can import the frames one at a time. Select Multiple instead to import all your frames at once and save a little time.

YOU CAN IMPORT finished Photoshop frames into GIFmation either one at a time or in a batch.



STEP 5 Understand the Document Window

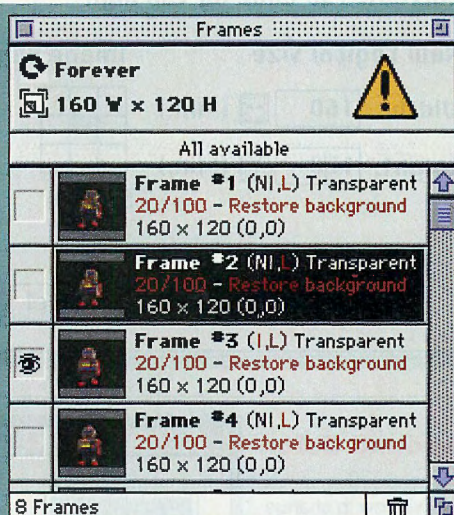
You'll use two main windows when you work on the animation. The Document window shows the running animation or any single frame. The animation controls along the bottom work like the controls on any QuickTime movie—just click the play button to see your animation. The pop-up menu to the right of the controls lets you select various download speeds—from unlimited through T-1 and 28.8Kbps down to 9,600 bps. Each choice gives you an idea of how the animation will look as it's downloaded at that connection speed but not what it will look like after the download is finished. At that point, the animation will play from the browser's cache on your visitor's hard drive, so the connection speed no longer makes any difference.



YOU CAN PREVIEW the animation in the Document window.

STEP 6 Understand the Frames Palette

Frame #2 is the currently selected frame. Frame #3 is what you see displayed in the Document window. The Frames Palette displays a list of all the frames that make up the animation. You select frames in the Frames Palette in two different ways. The highlighted frame is the *currently selected* frame—this is the frame on which you perform actions, such as deleting, interlacing, and delay. The eyeball icon shows which frame is *displayed* in the Document window. Remember that you can be looking at one frame in the Document window while making changes to a different frame, or even all the frames, selected in the Frames Palette. Also note that you can perform actions on frames—even add, reorder, and delete frames—while the animation is running in the Document window. The animation is updated on the fly.



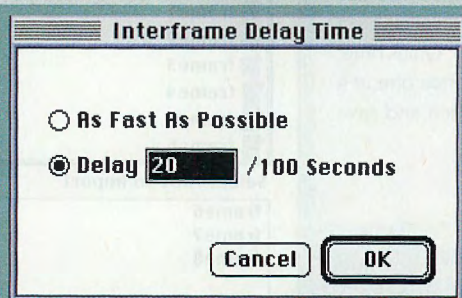
HERE'S SOMETHING TRICKY. The highlighted frame is the one on which you can perform actions. The eyeball icon, however, denotes the frame you see.

STEP 7 Ditch Extra Frames

After you import all the frames, you'll want to see how your animation looks. Click the play button in the Document window. The animation will probably look pretty darn good, but you'll undoubtedly see room for improvement. You may find that you can drop one or more frames, especially if the last and first frames are similar. To delete a frame, simply select it in the Frames Palette and press the Delete key. You can monitor the effect of the change while the animation is running.

STEP 8 Set the Interframe Delay

You'll probably want to set the Interframe Delay, a setting which adds an adjustable amount of delay between the playback of each frame. This won't help as your visitors download each frame the first time, but after the whole GIF is downloaded, it can make the animation run at a more interesting rate rather than at full speed. For example, running our Slappy animation at a slower rate gave it a more robotic feel. Select all the frames in the Floating Frames Palette and then select Delay from the Options menu. A good starting value is 20/100 of a second, but fool around with others until you like the looks of the animation.



SOMETIMES, SETTING A DELAY will make an animation play better. You'll just need to experiment.

Watch out:

Don't try to delete a frame by simply looking at the frame displayed in the Document window and hitting Delete. Remember, in a confusing break from standard Macintosh behavior, *the frame displayed in the animation is not the selected frame. The frame you'll be deleting is the highlighted frame in the Frames Palette.*

STEP 9 It Just Keeps Looping and Looping

Looping animations are the ones that keep going and going and going and...you get the idea. To make your animation loop—or not—go to the Options menu and select Looping. You can opt to have the animation play once, loop forever, or loop only a certain number of times. If you set your animation to loop a specific number of times, beware: Some browsers don't properly recognize that setting. The animation will loop, all right, but it won't stop. It's an endless loop.

To Loop or Not to Loop?

Be aware that almost all animated GIFs are viewed by some people, yours truly included, as pretty darn annoying. There's nothing like a simple page of text—let me in and out fast, please! For those people, there's only one thing more annoying than an animated GIF, and that's a *looping* animated GIF. The confounded thing grinds away, over and over, in your face and on your nerves, and there's no way to stop it. Consider yourself warned: Just because you can create animated GIFs—looping ones at that—doesn't mean you *should*. And think *really hard* before you put more than one on a page.

STEP 10 Go Live!

Once you're happy with your animation, just add it to your page in the same way you'd add any other GIF image. On your hard drive, store it in the appropriate folder corresponding to your folder hierarchy on your Web server. Then, if you're using Claris Home Page, Adobe PageMill, or any of the other WYSIWYG page creation tools, drag the file right into place on your page. You can use all your usual HTML tools to align the GIF or place it in a table. Happy looping!

Joseph O. Holmes, aka Professor Web, would love to hear your tips and questions on this subject or any other Webmaster topic. Address your email to professorweb@pobox.com, but please remember, he can't personally reply to every message.

Four Tools for Creating Animated GIFs

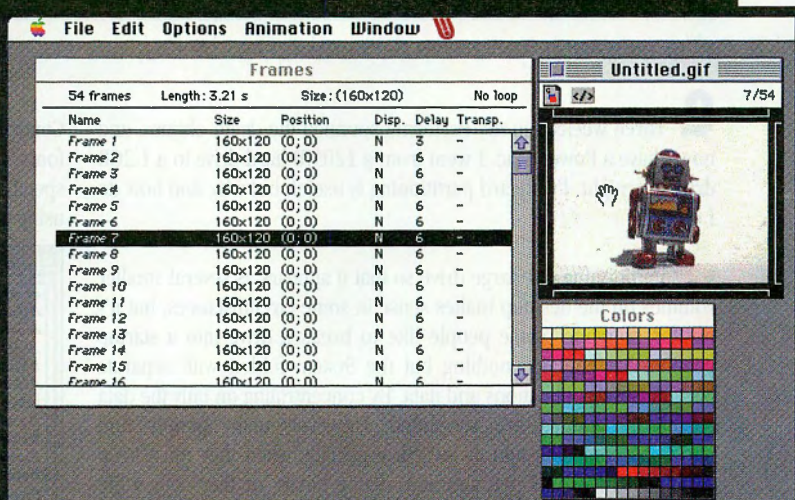
1. GifBuilder is a top-notch freeware, Mac-only, GIF animation tool created by Yves Piguet. You've got to produce and tweak each frame of your animation first outside GifBuilder, then import the frames—there are few tools in GifBuilder to fix up the graphics. But once you've got a batch of frames, GifBuilder works like a charm. Find GifBuilder on The Disc, or download it from [ftp://iaftp.epfl.ch//Pub/Software/GifBuilder-0.5.sit.hqx](http://iaftp.epfl.ch//Pub/Software/GifBuilder-0.5.sit.hqx).

2. GIFmation (\$49 direct, BoxTop Software, 601-324-1800, <http://www.boxtopsoft.com>) is a full-featured GIF animation tool, and it's easy to use. Check out the demo version on The Disc. Note, however, that the demo allows you to save a maximum of three frames. If you're just creating a two- or three-frame GIF, you're golden.

3. WebPainter (\$89.95 SRP, Totally Hip Software, 604-685-6525, <http://www.totallyhip.com>) includes painting tools in addition to the animation tools so that you can create animations from scratch. Find a demo version on The Disc or download it from Totally Hip's Web site. With the demo, you can try all the program's features, but you can save only three frames.


4. Gif*glf*gif (\$28 shareware, Pedagoguery

Software, <http://espresso.cafe.net/peda>) is a one-trick pony—it creates animated GIFs out of whatever is happening on your Mac screen. Think of it as an animated screenshot tool that is useful, for example, if you want to illustrate software on your Web page. Find the program on The Disc or download it from Pedagoguery's Web site.



GIFBUILDER IS A FREWARE TOOL that lets you create GIF animations. It doesn't, however, offer many tools for tweaking the graphics that make up your animation.

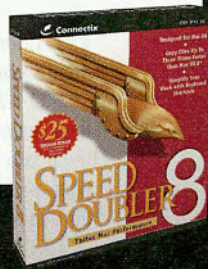
Blast Off!

Go faster, faster, faster! Accelerate Mac® OS 8 to the max with new Connectix Speed Doubler 8.  Mac OS 8

Speed Doubler 8 boosts your system's performance by accelerating network copying by up to 200%*. Non-native PowerPC software runs up to 100%* faster and even your removable media will be up to 40%* "zippier." The new Copy Agent feature maximizes your productivity by allowing you to schedule automatic and accelerated file copies or folder synchronization. Plus, new Hot Keys and Keyboard Power save you time by letting you launch applications and navigate menus without ever touching your mouse.

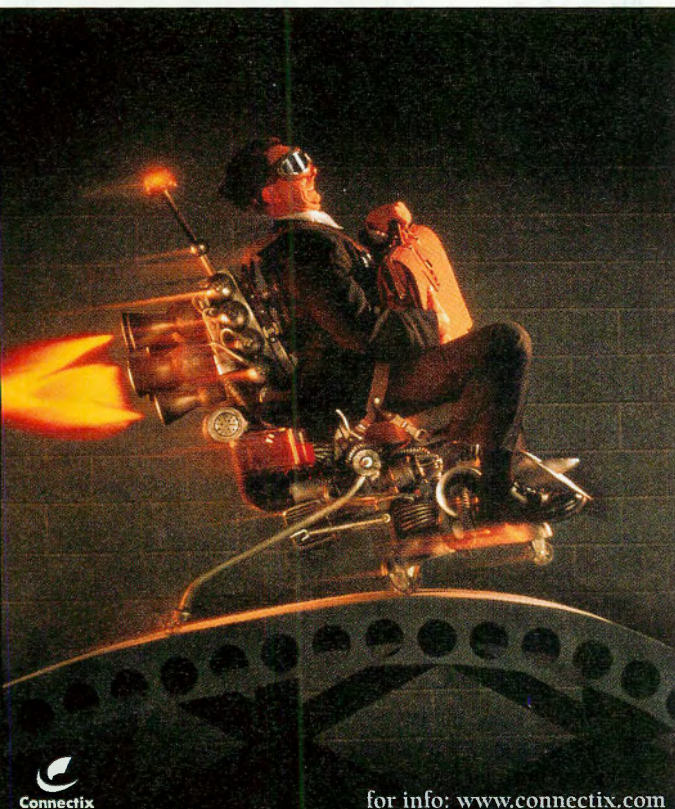
Get the most out of your Mac OS 8.
Buy new Speed Doubler 8 today!

*according to Connectix testing with Mac OS 8 and Mac OS 7.5.5.



for info: www.connectix.com

Accelerate Mac OS 8 to the max with new Speed Doubler 8





ask your questions

We answer your technical questions, no matter how simple or complex.

Q Three weeks ago my Performa sounded the death chimes, and now I have a Power Mac. I went from a 120MB hard drive to a 1.2GB drive overnight. I've heard partitioning is useful, but why, and how do I do it?

A Partitioning one large drive so that it appears as several smaller volumes on the desktop makes sense in some circumstances, but it's not for everyone. Some people like to break a drive into a startup volume that contains nothing but the System folder, with separate partitions for applications and data. By concentrating on only the data partition, backups are simplified. However, many people find partitions confusing and awkward, especially when they must keep switching drives in Open and Save dialog boxes, or they copy a file from one partition to another when they really just wanted to move it.

The situation in which partitioning makes the most sense is if you have a very large hard drive with a tremendous number of very small files. Due to an inefficiency in the Mac's filing system, the larger the drive, the larger the minimum file size. The same alias that takes up 3K on your 120MB drive may require 20K on the new 1.2GB drive. If you have tons of tiny files, you'll end up wasting a lot of disk space. By partitioning your drive, you reduce the minimum file size and reclaim some of this wasted space.

To partition a SCSI hard drive, you need a utility such as Apple's HD SC Setup 7.3.5 or later, whereas IDE drives require Apple's Drive Setup (both are included with the Mac OS). But seeing as how the size of your hard drive just increased tenfold, I doubt you'll be running out of space anytime soon, so partitioning is probably more work than it's worth, since it requires backing up everything before you create the partitions and then restoring everything after you create them.

Q Which file formats can be used with Mac OS 8's Desktop Pictures control panel?

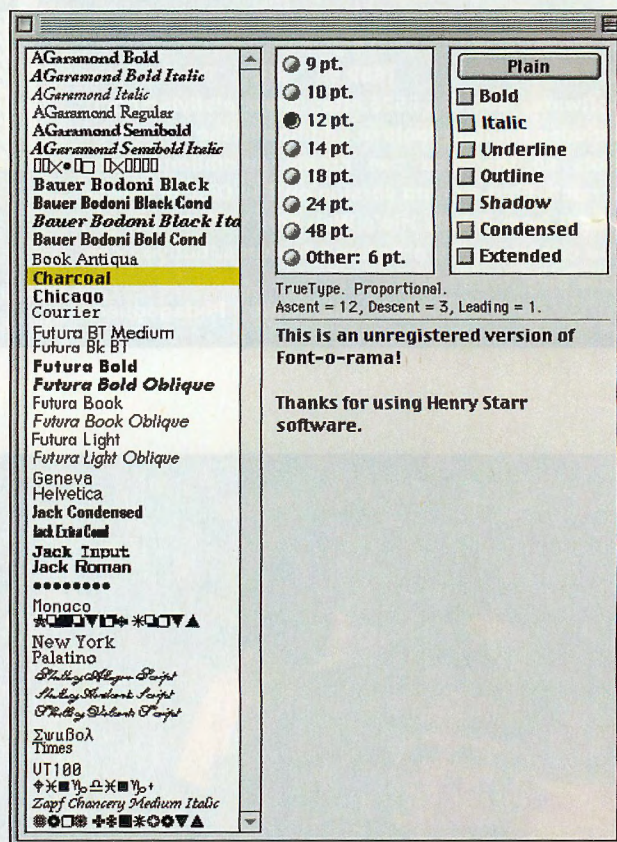
A Desktop Pictures can display any graphics file supported by QuickTime 2.5, including GIF, JPEG, Photoshop, PICT, and picture clippings.

Q Is there any freeware program that will make Font menus show the available choices in the typeface of the font?

A I don't know of any freeware programs, but the Now WYSIWYG Menus component of Now Utilities (Now Software, 800-689-9427 or 503-274-2800, <http://www.nowsoft.com>) can display font names in their actual typefaces.

If you want to try a shareware solution, check out Henry Starr's Font-o-rama! application. Select some text in any scriptable application such as ClarisWorks or Microsoft Word, and press Command-

Control-F to open the Font-o-rama! dialog box displaying available fonts in their own typefaces. After selecting the font you want and specifying its size and style, you return to the application you were using and the change is made to the selected text.



FONT-O-RAMA! LETS YOU SEE YOUR FONT CHOICES in their corresponding typeface. It takes a tad more work to use than the WYSIWYG Menus component of Now Utilities, but it's effective and inexpensive.

Q When launching certain programs on my Power Mac, I get an alert box informing me that the program requires an FPU. I thought the PowerPC had a built-in FPU. What in the world could be causing this?

A You're right, all PowerPC-based Macs have a built-in FPU (floating-point unit, also known as a math coprocessor). The problem is that the program has jumped to a noncode area and is executing garbage starting with the hex value F. Instructions with that hex value are intended for external FPU coprocessors in Macs based on the 68000-family CPUs. Because the problem lies with the program, the



FIND THE SHAREWARE Font-o-rama! and DragAny-Window on The Disc.



SOFTWARE FPU CAN FOOL applications into thinking that a PowerPC chip has a floating point unit, thus avoiding a pesky error message.

best solution is to obtain a PowerPC-compatible update, if available. It's also possible that you may be able to fool the problematic program using John Neil & Associates' SoftwareFPU

control panel, which provides a software-based FPU (800-663-2943 or 415-905-3000, <http://www.jna.com>). The version that runs on 68000-based Macs is \$10, and the Power Mac version is \$20.

Q I recently installed Mac OS 7.6. When I restarted, I saw a duplicate System folder. Clicking in the window made the duplicate System folder disappear, but it was back the next time I restarted. What's wrong?

A According to Apple, if you've installed Desktop Printing but haven't selected a printer in the Chooser, duplicate System folders may appear due to a problem with Desktop Printing. To correct this, select a printer in the Chooser and the duplicate System folders should disappear.

Q While digging through my System folder recently, I double-clicked the System file just for fun. Imagine my surprise when a window opened displaying lots of sound files and keyboard layouts. Do I really need all this stuff, or can I chuck some of it?

A As it comes from Apple, the System file contains a bunch of foreign language keyboard layouts that most people are unlikely to ever use, plus a handful of sound files that you can specify as the Alert Sound in the Sound control panel (Monitors & Sound on PCI-based Macs). If you know you're never going to need a particular sound file or keyboard layout, you can drag the unwanted items to the Trash provided nothing but the Finder is running. Because each file is only 2K large, you won't free up much disk space this way, but you also won't screw up anything.

Q My friend and I love playing Marathon 2 on a local AppleTalk network. Is there any way for us to play over phone lines when we're each at our own home?

A According to the maker of Marathon, Bungie Software (800-295-0060 or 312-563-6200, <http://www.bungie.com>), your typical Apple Remote Access connection isn't fast enough for networked gameplay, even with high-speed modems. However, Joe Kloss' shareware extension NetLink Remote (<http://users.deltanet.com/users/axly>) is like Apple Remote Access in that it allows you to use AppleTalk over modems but differs in that it's supposedly fast enough to play network games, even with 14.4Kbps modems. And with the freeware extension TCPSerial, you can make a NetLink Remote connection over the Internet, thereby saving yourself long-distance phone charges. For complete information about networkable Mac games, visit <http://www.AmbrosiaSW.com/netgames>.

Q I have a 14-inch monitor on my Mac, but most of the color houses I use for output have 21-inch monitors, and some of them have multiple monitors. When they open my Zip cartridges or floppies, they put the window up in the top left corner of their monitors. When these disks are returned to me, double-clicking them opens

Upgrading Advice

One of the most common questions I get as the Ask Us columnist regards upgrading old Macs: how to do it, whether to do it, and so on. Quite honestly, there is no definitive answer that applies to every situation, nor is there a single resource to which I can direct you. However, I have found the following items to be helpful:

★ The best place to start is to search for "Upgrade Matrix" at Apple's Technical Info Library (<http://til.info.apple.com>). This article lists all the Apple upgrades ever offered. Keep in mind that it doesn't list third-party upgrades, so just because an upgrade isn't listed for your model doesn't mean it doesn't exist. Also, if an Apple upgrade is listed as no longer available, you still may be able to find it for sale at one of the following vendors, which sell upgrades as well as discontinued Macintosh parts (also check out *MacAddict's This Old Mac* series for other vendors): CRA Systems, 800-375-9000 or 254-754-2120, <http://www.crasystems.com>; MicroMac Technology, 800-600-6227 or 714-362-1000, <http://www.micromac.com>; Shreve Systems, 800-227-3971 or 318-424-9777, <http://www.shrevesystems.com>; Sonnet Technologies, 800-786-6260 or 714-261-2800, <http://www.sonnettech.com>.

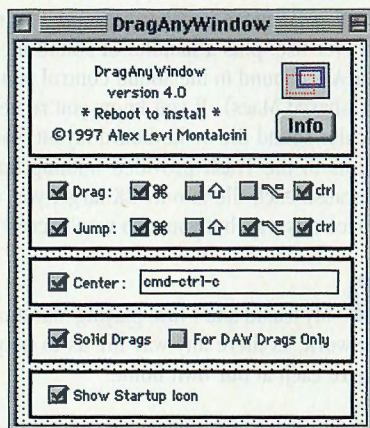
★ Another good source of general technical information from Cupertino is the Apple Spec Database (<http://support.info.apple.com/support/applspec.html>). This site doesn't discuss upgrades specifically, but it can tell you what type of processor you have in your Mac, as well as give you information on your Mac's memory requirements, display capabilities, and the like. The Low End Mac User site also lists hardware specifics and upgrade paths for classic Macs (<http://www.iserv.net/~dknight/leu>). For a discussion on how to increase the speed of your existing processor, go to the Clock Chipping Home Page at <http://socrates.berkeley.edu/~schrier/mhz.html>.

★ Although the World Wide Web is a great resource, don't neglect the printed word. With the rapid introduction of new Macs, no book can be completely up to date, but the following are among the best books that discuss upgrading: *Mac Secrets*, by David Pogue and Joseph Schorr (IDG Books); *MacWEEK Upgrading & Repairing Your Mac*, by Lisa Lee (Hayden); *Upgrading and Fixing Macs for Dummies*, by Kearney Rietmann and Frank Higgins (IDG Books).

★ Of course, don't forget that *MacAddict* is running a series of articles called *This Old Mac*—on upgrading. Over time, we'll cover the full spectrum of Macs.

the window somewhere off the viewable area of my smaller screen. Is there any way to correct this?

A From the land of leaning towers, grappa, and *tiramisu* comes Alessandro Levi Montalcini's shareware solution in the form of DragAnyWindow. The main purpose of this control panel is to allow you to easily move any kind of window, including "immovable" alert and dialog boxes. But you'll be more interested in the DragAnyWindow feature that allows you to assign a keyboard control that automatically centers any window on your main monitor. DragAnyWindow also has an option that lets you see the window's outline as well as its contents while you are dragging it, but the results are jumpy even on fast Power Macs.



USE THIS HANDY SHAREWARE PROGRAM to make immovable windows movable.

Q When I choose Shut Down from the Finder's Special menu, my Mac IIci restarts instead. It used to work fine, but lately the only way for me to turn off the Mac is to kill the power on the surge protector into which it's plugged. What's wrong?

A As they say in the tech support trenches, "That's not a bug, it's a feature!" Take a look at the power button on the back of the IIci. It's slotted and can be pressed in and turned so that it's always on. This way, if there's a brownout or blackout, the computer turns itself on as soon as power is restored. This feature is found on many Macs and was designed to keep file servers up and running without human intervention. Put a screwdriver in the power button slot and turn it until it pops out. Your Mac will be its trusty old self again.

Q While adding a second hard drive to my Power Mac 7600/132, I noticed an extra slot next to the right-most memory slot. It's the same size as the cache DIMM slot, but I can't find any mention of it in my documentation. What is this slot for?

A Look closely and you'll see the words "ROM SIMM" on the motherboard next to that slot. The Power Mac 7600, like many Mac models, has a slot that can accommodate a ROM (read-only memory) module for possible upgrades. To the best of my knowledge, Apple has never released a user-installable ROM upgrade for any of its Macs. According to Apple, the rule of thumb for the ROM SIMM slot is if your Mac has a module installed, don't remove it; if the slot is empty, don't put anything in it. In other words, forget about it.

Owen W. Linzmayer (askaddict@aol.com; <http://www.netcom.com/~owenink>) is a San Francisco-based freelance writer and the author of *The Mac Bathroom Reader*. Please submit technical questions or helpful tips directly via email or c/o MacAddict, 150 North Hill Drive, Suite 40, Brisbane, CA 94005.

<http://www.imaginezone.com>

zone out



**Network of
Great Independent Sites**

<http://www.imaginezone.com>

● i-files ● humor ● lifestyle ● adventure ● entertainment

imagine
a new way of publishing

Come to the **ImagineZone**

and zone out with Weird

News. True Crime. Extreme

Sports. Aliens. Food.

Music. And a whole lot

more including our daily

quote and silly polls. Updates

everyday. Come **Zone Out.**

At the **ImagineZone.**

(Uh, it's a new website from Imagine.)

PLAY ME...

For
Mature
Audiences
Only!

RIANA ROUGE

First CD-Rom in a series of *Sensual Action/Adventure* titles by Black Dragon Productions

STARRING PLAYBOY PLAYMATE GILLIAN BONNER

For more information:

www.blackdragon.com

to order 1-888-557-8866

Windows® 95/Macintosh®



Call 1-800-771-3771 for Game Rating information
© 1997 Black Dragon Productions, Inc. Black Dragon Publishing, Inc.
and Riana Rouge are trademarks. All rights reserved.
All other trademarks are the property of their respective owners.



powerplay

Delve into Cythera, getting the scoop as Unreal gets real, plus conquering the world.

Interview

Cythera

COMPANY: Ambrosia Software

DEVELOPER: Glenn Andreas

CONTACT: 716-325-1910, <http://www.ambrosiasw.com>

RELEASE: December 1997

If Realmz is too confining and Exile leaves you feeling out of the loop, there might be a Delver in your future. Ambrosia Software, the same company that brought the shareware hits Escape Velocity and Barrack to Macs every-



DELVER'S UNIQUE DIALOGUE SYSTEM lets you record conversations while highlighting those all-important plot points.

where, brings on its first role-playing game (RPG), Cythera.

Cythera is being written and programmed by RPG veteran Glenn Andreas. He created an underlying game engine, called Delver, which will be used in future RPGs as well. The Delver engine has fully interactive environments and an emphasis on role-playing instead of combat elements. *MacAddict* finds out how it all works. —Jeff Chen

MA: What prompted you to create the Delver system? Where does the Macintosh RPG need improvement?

GA: I've always wanted to make a bigger/better/richer RPG, ever since releasing Theldrow. I've gone through a whole bunch of different

projects in my spare time, but they've always fallen short of what I want to accomplish in terms of an intuitive interface, rich world interaction, and the ability to tell a story. Things like combat and the underlying role-playing rules have pretty much been beaten to death. If you're looking for what are essentially combat sims, there's plenty to be found.

MA: How Mac-like is the interface?

GA: The biggest example is the lack of modes. Other than during conversations, you can do anything at any time. To take a sword from a chest and wield it, you just use the chest (which brings up a window with its contents) and then drag the sword to your hand in your character's window. For instance, the game doesn't have a special combat mode.

MA: How real are the Cytherans?

GA: They've got the illusion of having a life, at least. They follow schedules, which can change depending on outside events and circumstances.

MA: Will they remember you?

GA: Oh yes. This is one of the big things about the conversation system—they can react differently to you based on past meetings, who you are with, things you've done, etc. Somebody might treat you coldly until you tell them that you were sent by a third person, and from then on, they

trust you and tell you important things.

MA: Will each character in your party have separate personalities?

GA: Each character who joins your party is a separate person. When they're in the party, they follow your lead, but they are known to chime in during a conversation with some third character



Glenn Andreas

Characters joining your party are more important for who they know than how much damage they do in combat.

with comments of their own. Characters joining your party are more important for who they know than how much damage they do in combat.

MA: How open is the environment?

GA: The underlying engine gives Cythera a richer world model than other current Macintosh RPGs. Just about everything can be used. For example, there is something that requires being filled with water—you can use a bucket or pitcher and get the water from a fountain or from a large vat. Some of the results of this have practical value (and could be important to the story as a whole), others are just there to let the player explore and immerse themselves.

MA: Any future plans for Cythera and the Delver system?

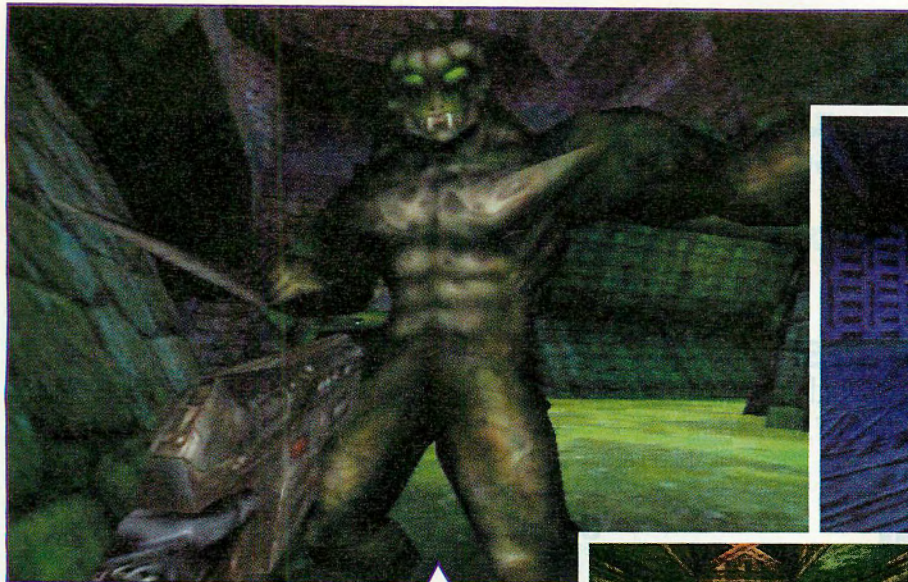
GA: There are a whole bunch of changes to the underlying engine I've got planned, including better graphics and larger and more flexible worlds. I've got other scenarios planned, including a direct sequel, as well as two or three that tie into key elements. We've also got plans to license the core engine to interested third parties.



GOT A MATCH? The game engine has the smoothest lighting effects in any Mac RPG.



CYTHERA'S INTERFACE WAS DESIGNED to be as Mac-ish as possible. You can rearrange and resize the windows however you wish.



Preview

Unreal

COMPANY: MacSoft

DEVELOPER: Epic MegaGames/Maverick Software

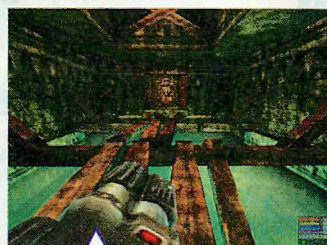
CONTACT: MacSoft, 800-229-2714 or 612-509-7600,

<http://www.wizworks.com/macsoft>; Maverick Software,

<http://members.aol.com/mavsoftwre>

RELEASE: December 1997

THIS BEAST IS LITERALLY light-years ahead of Quake's measly shamblers.



EACH SINGLE-PLAYER LEVEL consists of a different alien wreck, so graphics from stage to stage will be very different.

Q: What's big, ugly, and looks like the Predator?
A: I don't know, but don't look behind you.

Quake player, meet a skarj. Skarj, dismember the Quake player. For those of you cutting your teeth on Quake, start chewing faster. Come 1998, Epic MegaGames will release Unreal, with artificial intelligence and network capabilities that make the meanest space marine look like a bullet-ridden Tickle Me Elmo.

Ostensibly an *X-Files*-meets-Quake game, Unreal will have you investigating 30 or so crashed alien ships, in which you'll throw the Prime Directive out the window and blow away aliens much scarier than you.

Graphically, Unreal's engine is similar to Quake's, but it is measurably more complex. It sports 16-bit textures (the largest being a whopping 512 x 512 pixels!) like Marathon 2, but it also does lights like you wouldn't believe. Not only are the standard explosion lights there, it has a nifty feature called light mixing, which mathematically blends two colors of lights together. For example, if you shoot a rocket down a hall of lights shining through stained-glass windows, the light of the rocket exhaust will blend with the light coming through the windows. Although it's a feature that's supposed to highlight Intel's MMX technology, "with the native speed of the PowerPC chip set, we think we can do the light mixing on all Power Macs," says Mark Adams, one of the programmers for the Mac version. Like Quake, it will have full 3Dfx and RAVE support.

Unreal may be the best single-player game in the Mac market for one reason: The bad guys are smarter and sneakier than the average bear. The behavior patterns of the enemies are as complex as Quake's are simple. Rather than standing like a polygonal domino in front of you, a skarj will run away as if wounded badly, secretly signaling to its friends to jump you as soon as you enter a room. Enemies set up ambushes, flank players, even lay down covering fire. There's even one creature that might attack you only if you can't see it. If you try to get a good look at it, it'll circle around so only a glimpse of it is seen onscreen.

Multiplayer fans won't be disappointed either. Unreal's network games have no top limit other than hardware horsepower—you should be able to have up to 40 to 50 players per server. Even better, it's possible to create network worlds that reach from one server to the next for those extra-large worlds. During a deathmatch, players can teleport from one server to another without noticing any differences, literally fragging their way across the world.

Maverick Software, which picked up the porting contract after the nasty Lion Entertainment breakup earlier this year, is confident it can complete the Mac version shortly after the PC one goes golden master, so the lag time should be negligible. Although full PC and Mac level compatibility is expected, there are no plans to port the PC level editor. —Jeff Chen

THE DEVELOPER PLANS to offer a choice of male or female protagonist. Both will kick butt, of course.



Tips and Tricks

Civilization II

COMPANY: MacSoft

CONTACT: 800-229-2714 or 612-509-7600,

<http://www.wizworks.com/macsoft>

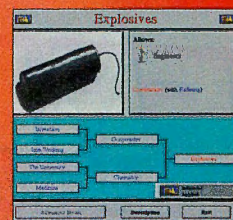
As the textbooks go, there are only two important things in civilization: guns and butter. In other words, if you have soldiers and lots of moolah, you can rule the world. Here are a few tips to get lots of both. —Jeff Chen

Breed like rats—In the beginning, be fruitful and multiply. Every time your town hits three people, send out a settler to a good location. Repeat until you've filled the territory you've marked. That way, you'll have a great tax base later in the game.

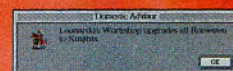
Hunt and peck—Use just one soldier to defend each city. Have each city produce two military units. Send the second to explore and defend.

Patrol your borders—Surplus units should block off land passages into your territory to prevent enemies and nosy allies from tearing up your lawn.

Gunpowder—Get it. It makes you strong. Don't let those commie pinkos let you think otherwise.



ONCE YOU'VE GOT A TERRITORY marked out, develop it. It gives a greater tax base and tighter control.



GET LEONARDO'S WORKSHOP. If only automatic upgrades were as easy for the Mac.



Your Macintosh® Catalog SuperStore™

PROUDLY SERVING MAC USERS SINCE 1986



REBATE SAVINGS!
Mac OS 8 Upgrade from 7.6

NEW!
ONLY \$68⁹⁸
#75301

- Multitasking Finder saves you valuable time
- Live scrolling for greater page file control
- "Connect To" shortcut to visit Web sites or launch browser

Advanced Internet features also include multiple Web browsers, native Java support, Personal Web Sharing, and the push technology of PointCast and Marimba. PLUS a new 3D interface, pop-up menus, interactive setup assistants, the latest QuickTime™ Media Layer technologies and more!

#75302 Mac OS 8 Full Version \$98.98

See what a difference 8 makes! Upgrade today!

The easiest way to manage information for desktop to the Web

Claris
FileMaker Pro 4.0
Competitive/Version
Upgrade

ONLY \$94⁸⁸
#88829

NEW VERSION!



Apple's highest quality inkjet printer!

Apple® Color
StyleWriter®
2500

ONLY \$189⁸⁸
#87135



Incredible LOW PRICE!

WHILE SUPPLIES LAST!



Microsoft Office
4.2.1 Upgrade
with Essential Tools
for Small Business

ONLY \$269⁸⁸
#83316

Special Price on Adobe Acrobat!

available only when purchased with
MS Office 4.2.1 Upgrade
with Essential Tools
for Small Business
on the same invoice.

SAVE OVER \$85!

ONLY \$98⁸⁸
#77684



FREE

ZIP DISK LOADED WITH SOFTWARE!

when you buy an Iomega Zip 10-Pack and Mac OS 8 at a special low Zone price!
* After \$20 Iomega mail-in rebate. Low Zone Price \$199.98.
While supplies last.

SAVE BIG with the ZipDisk SUPER Bundle!
The Zip 10-Pack & Mac OS 8

PLUS FREE ZipDisk pre-loaded with
Claris Home Page 2.0 (lite version)
Conflict Catcher 4 (full version)
Claris Em@iler 2.0 (lite version)
Virex 5.7 (full version)

ALL FOR ONLY \$179⁹⁸*
Ask for item #75359

SAVE OVER \$160

FREE Spring Cleaning
with purchase of any Iomega Jaz Drive A \$49⁹⁸ Value!

The unlimited personal storage drive!



Iomega Jaz® Drive
AS LOW AS \$299⁹⁸

#73320 Jaz Int. SCSI model w/Spring Cleaning... \$299.95
#73721 Jaz Ext. SCSI model w/Spring Cleaning... \$399.95

The most affordable and portable storage solution

Iomega Zip® Drive

ONLY \$149⁸⁸
#91825



Includes 100MB cartridge! with tools & utilities

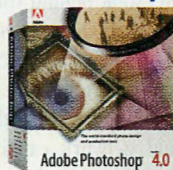
Outstanding graphics quality - priced right!

ViewSonic G773 17" Monitor (16" viewable)

ONLY \$629⁸⁸
#47478



Improved productivity and creative experimentation!



Adobe Photoshop 4.0 Upgrade

ONLY \$164⁹⁸
#76736

FREE!

Vertigo's Dizzy Included

A \$90 Value!

* Plus \$2.95 for shipping and handling.

Super-charge your Internet communications!

A-10 Bundle

Includes A-10 Attack! and A-10 Cuba! Fly your A-10 "War Hog" to defend the skies of Europe - then take a Caribbean vacation. NOT!

ONLY \$29⁹⁸*
#74148



Breakthrough pricing on 30-bit scanning!

UMAX Astra 600S SCSI-2 Color Scanner

Includes Adobe PhotoDeluxe and Presto! PageManager (with OCR)

ONLY \$169⁸⁸
#80679



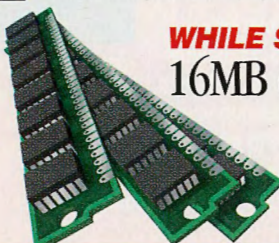
FREE

Vertigo 3D Dizzy with any UMAX scanner purchase!

NEW!

WHILE SUPPLIES LAST!
16MB of RAM!

ONLY \$59⁹⁸
SIMM



Ordering from The Mac Zone is Easy!

Shop online at
www.maczone.com

1-800-304-0286



We Carry the Full Line of Apple® Macintosh® Computers

- Over 6000 Products to Choose From!
- Cool Bundles and Hot Specials!
- Low Prices Everyday!
- Overnight Delivery only \$3 (up to 2 lbs)

we're open
24 hours a day
7 days a week



This affordable, high-performance Mac® runs Windows!

Apple® Power Macintosh® 7300/200

- 200MHz PowerPC® 604e RISC processor
- Optional 166MHz Pentium processor
- 32MB RAM, expandable up to 512MB
- Fast SCSI 2GB hard drive
- Runs MS-DOS and Windows applications (via optional PC Compatibility Card)
- Includes 10Base-T and AAUI Ethernet connectors
- Reads Mac OS, Windows, MS-DOS, OS/2 and ProDOS floppy disk formats



ONLY
\$2199
#80898

Monitor sold separately.

#80897 Power Macintosh 7300/180 \$1999.00

The low-cost, mobile companion to your school or desktop PC

Apple® eMate® 300

- Word processor, drawing program, spreadsheet program, graphing calculator, address book, calendar functions and more
- 25MHz ARM 710a RISC processor
- 3MB RAM (1MB DRAM and 2MB flash memory); 8MB ROM

ONLY
\$799⁹⁹
#78206



Superior Performance Plus MS Office!

Apple® Small Business Power Macintosh® 4400/200

- 200MHz PowerPC® 603e processor
- 32MB RAM, expandable to 160MB
- 2.0GB hard drive
- Built-in 12X CD-ROM drive
- 33.6/14.4 Kbps data/fax modem
- Two PCI slots
- High-quality 16-bit stereo sound



ONLY
\$1599
#78171

Incredible LOW PRICE!

Monitor sold separately.

300MHz of raw power!

Apple® Power Macintosh® 6500/300

- Powerful 300MHz PowerPC® 603e RISC processor
- Massive 4GB hard drive
- 64MB RAM/128MB maximum
- 12X CD-ROM drive
- Fast 33.6 modem with advanced telephony
- 16-bit CD-quality stereo sound with SRS surround sound and integrated subwoofer
- 512K cache, level 2
- ATI RAGE II 64-bit graphics & multimedia accelerator chip
- 100MB internal Zip Drive

ONLY
\$2499
#78200

Incredible LOW PRICE!



Monitor sold separately.

Shop The Mac Zone ONLINE!

www.maczone.com

- All the latest products for your Mac – over 12,000 to choose from anytime!
- Weekly specials and blowout savings!
- Our special section for Mac Advocacy – industry news, hot tips and tons more!
- Our Vendor Spotlights area showcases hot new technology from top developers!
- Special promotions and product offers exclusively for our online customers!
- Enter to win Cool Prizes at Riddle du Jour!
- All this and more in a user-friendly, 100% secure shopping environment!



Corporate Sales 1-800-258-0882 Government Sales 1-800-372-9663 Education Sales 1-800-381-9663 International Sales 1-425-430-3570

A NASDAQ® COMPANY Ticker Symbol: MZON

Copyright © 1997 • The Mac Zone® is a registered trademark of Multiple Zones International, Inc. All rights reserved.

THE MAC ZONE • TRUSTED INTERNATIONALLY

Australia • Austria • Belgium • Brazil • Costa Rica • Chile • Colombia • Denmark • France • Germany • Holland • Hong Kong • India • Israel • Italy • Japan • Kenya • Mexico • New Zealand • Poland • Portugal • Singapore/Malaysia • Spain • Sweden • Switzerland • United Arab Emirates/Middle East • United Kingdom • Venezuela

SOURCE CODE
MA712

YOUR BEST BUY

VISIT US ON THE NET AT www.applemacnet.com

1-CONSULT UPDATED PRICES!

2-ONLINE CATALOG, OFFERS & ORDERING

3-CREDIT CARDS, C.O.D. & LEASING

4-CUSTOMER SERVICE AND ORDER STATUS

5-WORLDWIDE SHIPPING ON THE FLY

6-NO WAITING, NO CATCH, WYSIWYG

Performa

6360 160MHz

The Best Deal in this book



- Power PC 603e
- Proc.160MHz
- 16MB MEMORY
- 1.2GB HARDISK
- 8X CD ROM
- SOFTWARE
- 16-BIT SOUND

SALE PRICE

\$949.

Perfect for home and Internet use!

Power Macs

4400	200MHz/16MB/2GB/8XCD	\$1,199.00
4400	200MHz/32MB/2GB/8XCD/Level-2(Office Version)	\$1,499.00
7300	200MHz/16MB/2GB/12XCD	\$1,999.00
7300PC	200MHz/16MB/2.0GB/8XCD	\$2,799.00
8600	300MHz/64MB/4GB/Zip Drive/24XCD	\$3,299.00
9600	350MHz/64MB/4GB/24XCD/Zip	\$4,899.00
9600MP	200MHz/32MB/4GB/12XCD/4MBVR	\$3,399.00

Buy a PowerMac and Add the Office Solution!

Microsoft Office 4.2.1 + 16MB Memory For Only **\$299**

Power Mac 6500 series

6500	225MHz/32MB/3GB/12XCD/33.6Mdm	\$1,499.00
6500	250MHz/32MB/4GB/12XCD/33.6Mdm/Zip drive	\$1,759.00
6500	250MHz/48MB/4GB/12XCD/33.6Mdm/Zip(Office)	\$2,099.00
6500	275MHz/32MB/4GB/12XCD/33.6Mdm/Avid cinema	\$2,499.00
6500	300MHz/64MB/4GB/12XCD/33.6Mdm/Zip drive	\$2,499.00

PowerBooks

1400cs	• 133MHz/16MB/1.3GB/8XCD/128 k L2	\$1,969
1400c	• 133MHz/16MB/2GB/8XCD/128 k L2	\$2,599
1400c	• 166MHz/16MB/2GB/8XCD/128 k L2	\$2,799
3400c	• 200MHz/16MB/2GB/12XCD/33.6 modem	\$3,599
3400c	• 240MHz/16MB/3GB/12XCD/33.6 modem	\$4,299

Apple Servers
1-AppleShare 5.0: advanced server software that enables you to incorporate a server into an Intranet easily to take full advantage of Internet technology & more

	Applic. Solution	Internet Solution	1-Apple Share Solution
7250 120MHz/16MB/2GB/8XCD	\$1,399.00	\$1,699.00	
7350 180MHz/48MB/4GB/12XCD	\$2,599.00	\$2,999.00	\$3,499.00
9650 233MHz/64MB/8GB/12XCD	\$4,299.00	\$4,899.00	\$5,699.00

YInternet Solution Includes:Claris Home Page,Open Door,LogDoor,Apple MacDNS,NetClio,NetScape,BBEdit,WebSTAR/SSL,GO liveCyberStudio,Butler SQL & more

UMAX

C500LT	180/16/1GB/8XCD	\$869
C500LT	200/16/1GB/8XCD	\$950
C500C	180/16/1GB/8XCD	\$1029
C500I	180/16/1.2GB/8XCD	\$1029
C500I	200/16/2GB/12XCD	\$1029
C500E	200/16/2GB/8XCD	\$1029
C600	180/16/1GB/8XCD/33.6	\$1009
C600L	180/16/1.2GB/8XCD	\$1029
C600L	200/16/2.1GB/8XCD	\$1099
C600L	240/24/2.1GB/8XCD	\$1449
C600L	200/32/2.1GB/12XCD	\$1599
C600L	240/32/2.1GB/12XCD	\$1699
C600L	280/32/4GB/12XCD	\$2099
C600X	240/32/3GB/12X/33.6	\$1799
C600X	280/32/4GB/12X/33.6	\$2099
J700	180/24/2.1GB/CD/33.6	\$1599
S900	200/32/2.1GB/CD/33.6	\$2399
S900	233/32/2.1GB/CD/33.6	\$2799
S900	250/32/2.1GB/CD/33.6	\$3199
S900/DP	250/64/4GB/CD	\$5999

Call for latest prices and promo

Apple Message Pad 2000

•160MHz RISC proc.
•16-level Hi-resol. screen
•2 PC Slots for memory and wireless modem or any other compatible card.

162 MHz

weighs Only 2lb

•Exchange data with Windows and Mac OS

•Built-in mic/speaker (optional keyboard for \$75.)

\$899.

*Modem not included

Memory

Super Hot Deal

32MB RAM \$89

SIMMS	DIMMS
8MB \$25	8MB \$33
16MB \$45	16MB \$53
32MB \$89	32MB \$99
64MB \$199	64MB \$189
	128MB \$699

Monitors

Apple 15AV \$399.

Viewsonic 17EA 17"AV \$513.

Sony 17" 200SX \$599.

Apple Multiscan 1705	\$629.00
Apple Multiscan 1710	\$779.00
Apple Multiscan 850 20"	\$1,499.00
Apple Multiscan 850AV 20"	\$1,659.00
Viewsonic E641 14"	\$209.00
Viewsonic E655 15"	\$289.00
Viewsonic 17EA 17"	\$513.00
Viewsonic 15GS 15" (Graphic Series)	\$339.00
Viewsonic 15GA 15" (Graphic Series)	\$369.00
Viewsonic 17GS 17" (Graphic Series)	\$569.00
Viewsonic 17GA 17" (Graphic Series)	\$619.00
Viewsonic GT770 17" (Graphic Series)	\$629.00
Viewsonic GT775 17" (Graphic Series)	\$659.00
Viewsonic G800 20" (Graphic Series)	\$1,029.00
Viewsonic GT800 20" (Graphic Series)	\$1,199.00
Viewsonic G810 21" (Graphic Series)	\$1,399.00
Viewsonic 29GA 29" (Graphic Series)	\$2,199.00
Viewsonic 17PS 17" (Pro Series)	\$699.00
Viewsonic PT770 17" (Pro Series)	\$699.00
Viewsonic P810 21" (Pro Series)	\$1,399.00
Viewsonic P815 21" (Pro Series)	\$1,559.00
Viewsonic VP140 15" (Pro Series)	\$2,199.00
Viewsonic PT775 17" (Pro Series)	\$699.00

3 Year Warranty

Printers

Stylewriter 1500

\$139.

Apple

Color Stylewriter 2500...\$199.00

Laserwriter 4/600...\$679.00

Laserwriter 12/640...\$1,299.00

Epson

Stylus Photo...\$449.00

Stylus Color 600...\$285.00

Stylus Color 800...\$409.00

Stylus Color 1520...\$729.00

Stylus Color PRO XL...\$1,299.00

Stylus 3000...\$1,699.00

HP

DeskJet 340c...\$265.00

Epson Stylus 800 \$409

Scanners

MICROTEK

Better Images Through Innovation.

ScanMaker E3	\$149.00
35T 35MM Slide	\$659.00
ScanMaker E6	\$279.00
ScanMaker III	\$1,199.00

ScanMaker V300

\$129

•24-bit color depth
•Single-pass speed
•300x600 dpi optical resolution

Modems

Supra 33.6

\$89

Global Village

Teleport 56Kbps...\$169.00

Teleport Platinum 33.6...\$165.00

Supra

SupraSonic 33.6...\$179.00

Supra Express 56e w/ speaker...\$179.00

Supra Fax Modem 28.8 33.6...\$149.00

U.S.Robotics

Sportster 33.6 Fax/Modem...\$109.00

¥Sportster 56k (2X tech.)...\$139.00

Sportster Voice 33.6

\$69

Upgradable to 56K!

Digital Video

Photo DV™ & Moto DV™

FireWire Technology

Video capture in real-time, full-motion or still-video, edit, add effects and save back to tape w/ no loss!

Y Camcorder not included! *MotoDV™ upgrade!

Radius Moto DV w/ FireWire Card

Full-Motion Video Capture...\$445.00

Radius Photo DV

Still-Image Video Capture...\$445.00

Radius VideoVision ML...\$1,999.00

Radius VideoVision

SP Upgrade PCI...\$1,799.00

V 2.0 PCIPowerMac...\$2,599.00

CALL 1-800-404-9976

Schools & Corp. P.O.s are Welcome Customer Service Toll-free number : 1-800-743-2998 McNet is not responsible for typos! ALL PRICES ARE CASH DISCOUNTED. Prices & product availability subject to change without notice - Any merchandise returned is subject to a restocking fee! When returning, call for a RMA# first! Thank You!

ON THE MAC MARKET!

Software

Business

Microsoft Office 4.2.1
Full version

\$299.

- Microsoft**
Microsoft Office 4.2.1 (full version).....\$299.
Office 4.2.1 (upgrade).....\$199.
Microsoft Word 6.0.1 (full version).....\$269.
Microsoft Excel 5.0 (full version).....\$269.
Microsoft Excel 5.0 (upgrade).....\$119.
Now Software
Now Contact and Up-to-Date 3.6.5.....\$79.
Shana
Informed Designer 2.0 (form designer).....\$189.
Informed Filler (form filler).....\$129.
Timeslips
Timeslips 4.0.....\$279.

Design / Graphics

Adobe Photoshop 4.0
Upgrade

\$129.



Adobe Photoshop 4.0

- Adobe Systems**
PageMaker 6.5 (full version).....\$389.
PageMaker 6.5 (upgrade).....\$89.
Photoshop 4.0 (full version).....\$389.
Photoshop 4.0 (upgrade).....\$129.
Illustrator 7.0 (full version).....\$299.
Illustrator 7.0 (upgrade).....\$89.
FrameMaker 5 (full version).....\$479.
Streamline 4.0 (full version).....\$129.
Artifice
Design Workshop 1.5.....\$569.
Asound
Astone 3.0 (presentation w/ multimedia).....\$126.
Deneba
Canvas 5.0 (design & illustration).....\$379.
Engineered Software
Power CAD 3.0 (pro-level draft-prog.).....\$639.
Fradal Design
Detailer (Paints 3D models).....\$289.
Expression 1.0 (object-oriented drawing).....\$289.
Painter 5.0 (full version).....\$259.
Painter 5.0 (upgrade).....\$89.
Poser 2.0 (human-models in 3D enviro).....\$129.
Graphsoft
NviniCad 7.0.....\$499.
Blueprint 5.....\$199.

Painter 5.0



The World's Most Creative Design Tool!

\$269.

Radical New Features for Unlimited Creative Freedom!

- ImageXpress**
ScanPrepPro 3.1 (automates image-process).....\$639.
IMSI
Turbo CAD 2D/3D 3.0 (semi-pro CAD soft).....\$129.
Macromedia
Director 6 multimedia studio (full version).....\$899.
Director 6 multimedia studio (upgrade).....\$459.
Macromedia xRes 3.....\$299.
Director 6 (upgrade).....\$369.
Extreme 3D 2.0 (3D-design, print, animation).....\$349.

FreeHand 7 - graphics studio

Upgrade

\$169.

- Full Version \$299
- Free Hand V7.0 (full version).....\$199.
Free Hand V7.0 (upgrade).....\$135.
SoundEdit 16.2 (full version).....\$269.
Macromedia Flash (full version).....\$189.
Fontographer (full version).....\$299.

Quark Xpress



The Best price on the Market!

Only **\$619.**

- Quark**
QuarkXpress 3.3.2 (publishing).....\$619.
QuarkXpress 4.0 (publishing+Web).....\$699.
Specular
Infiniti-D 4(3D/Animation/modeler).....\$399.
Infiniti-D 4(upgrade).....\$89.
Collage 2.0 CD.....\$79.
Others
Eye Candy 3.0 (Photoshop filters).....\$189.
Object Dancer 1.1 (Object-oriented animat.).....\$419.
Phototools 1.1(Photoshop filters).....\$94.
Texture Creator 2.0 (Pro Level 3D graphics).....\$125.
Walkthrough 2.6 (Architectural design).....\$449.

Internet / Database

- Instant Database publishing on the Web/
- Desktop publishing with Database content/
- Launch Java applets and much more...

Upgrade **\$95.**



- Claris**
FileMaker Pro 4.0 (Full).....\$189.
Claris Home Page.....\$94.
Claris Works Office.....\$94.
Claris E-Mailer 2.0 (e-mail manager).....\$39.
Farallon Communications
Timbuktu Pro 3.0.....\$125.
Net Objects
Net Objects fusion 2.0(Website builder).....\$449.
RUN
RunShare 2.1(AppleTalk network 2-users).....\$289.
StarNine tech.
Quarter Deck Mail 4.0 (Mail server).....\$299.
Quarter Deck Mail 4.0 (5-user pack).....\$199.

- Symantec**
Symantec Visual café.....\$194.
Symantec Visual Page.....\$94.
Adobe Illustrator 7
Upgrade from V5.0 or later
- \$89.**
- A Solid
 - reliable
 - complete
 - graphics
 - Application



Utilities/Programming

- Apple Computer**
MAC OS 8 (Macintosh operat. system).....\$95.
Share IP 5.0 (Network manager).....\$699.
Care
Omni Page Pro 7 (OCR soft. pack).....\$439.
Casady & Greene
Conflict catcher 4.0.2 (Start-Up tool).....\$69.
Connectix
Speed doubler 2.0.1. (file transfer utility).....\$89.
RAM doubler 2.0.1. (Doubles your RAM).....\$89.
Datawatch
Virex 5.7 (great features in virus-detection).....\$67.
Metrowerks
Code Warrior 10 gold(programming).....\$339.
mFactory
mTropolis 1.1 (authoring tool).....\$1099.
Now soft.
Now utilities 6.7.....\$85.
Stamline tech
ListStar 1.1 (mailing-list management).....\$429.
Symantec
SAM 4.5 (virus protection).....\$49.*

Effects/Plug-ins/Media

Adobe After Effects 3.1

Adobe After Effects 3.0

Save \$200

\$399.

•Broadcast multimedia and Film production Tool!

- Adobe**
Premiere 4.2 (full version).....\$399.
Persuasion 4.0 (full version).....\$299.

Allegiant Tech

- SuperCard 3.0 (authoring tool w/ web plug-in).....\$299.

Artel Software

- Boris Effects 2.1 MP (Adobe plug-in).....\$499.

DigiEffects

- Aurorix 2.0 (full version).....\$249.
Berserk 1.3 (full version).....\$249.
Cyclonist 1.0 (particle-generation soft.).....\$429.

Extensis

- QX-Tools 2.0 (Xtensions-collection).....\$94.

Knoll soft.

- Lens Flare Pack 1.5 (after effects plug-in).....\$139.

MetaTools

- Bryce 2.....\$168.
Final Effects AP 1.0 (particle-generation).....\$189.
KPT Final Effects 3.0.1 (effects collection).....\$659.
Studio Effects 1.0 (3D particle-generator).....\$659.

M.M.M. Soft.

- HoloDozo 1.0 (Adobe Premiere plug-in).....\$129.

NewTek

- LightWave 3D 5.0 (Pro-Level animation).....\$1299.

The Valis Group

- Movie Flow 2.0.2. (image distortion soft.).....\$639.

XaosTools

- TypeCaster 2.0 (3D text-plug-in).....\$169.

WEB-STAR

Most widely used desktop web server software on the Internet!

\$399

Free! PAGE MILL

Others/Various

- Delta Graph 4.0.....\$135.
Dantz Retrospect 4.0 (net. back-up).....\$139.
Letter Rip 1.0.2 (Superb mail-list server).....\$269.
Live Picture XT.....\$138.
Prism 2.0 (Ideal statistics package).....\$459.
QuickKeys 3.5.2 (Powerful Macro Utility).....\$115.
Roaster Release 3 (Java Tools).....\$95.
SoftWindows 95 v4.0.....\$299.
Ultimate for Mac 2.0 (Keing plug-in).....\$1399.
Wingz 2.1.1 (Powerful progr. tool).....\$369.

STORAGE - MEDIA & HARD DRIVES

JAZZ DRIVE



\$389

- Jaz Drive w/ 1 cartridge.....\$389
MacNet Jaz Dr. w/ 3 cartridges.....\$499
Internal Jaz Drive.....\$219
1GB Jaz Cartridge.....\$82
JAZ & CD-RECORDER DUO
Jaz Drive & LaCie 2X/6X CD-R.....\$799
SYJET & CD-RECORDER DUO
SyJet 1.5G & LaCie 2X/6X CD-R.....\$799

ZIP DRIVE



\$139

- Zip drive w/ 1 cartridge.....\$139
Zip 100MB cart. (10-pack).....\$125
Internal Zip drive.....\$145
100MB Zip cartridge.....\$13

CD/CD-R/Removables



\$379

- Catch the CD-R Wave!**
For large file transfers, or mass distribution of media, (sound/image) CD-R provides the least expensive solution!
Comes w/ Toast Pro software (a super value).

Magneto-Opticals

- 230MB Olympus SYS 230.....\$329
640MB Fujitsu 640 Optical.....\$469
2.6GB Sony 2.6GB Optical.....\$1,499
Syquest/Microtech/Maxwell
SyJet 1.5GB drive.....\$369
SyJet 1.5GB cartridge.....\$95
200 Megabytes cartridge.....\$52
270 Megabytes cartridge.....\$45
CD-ROM
2X/6X CD-R w/Toast software.....\$389
4X/6X CD-R w/Toast software.....\$659
LaCie 12X CD-ROM (free Lacie FM Radio).....\$179
LaCie 24X CD-ROM.....\$199

Capacity	Model	Access	RPM	Interface	Drive cache	Int.	Ext.
2.1 GB							
Quantum	TM2110S	11 Ms	4500	Ultra SCSI-3	128k	\$239	\$289
Seagate	32151N	9 Ms	5400	Ultra SCSI-3	256k	\$299	\$349
Quantum	ST2160S	10 Ms	5400	Ultra SCSI-3	128k	\$249	\$299
Quantum	Atlas 32275	8 Ms	7200	Ultra Wide SCSI-3	512k	\$299	\$349
IBM	32160W	8.5 Ms	5400	Ultra Wide SCSI-3	512k	\$299	\$349
3.2 GB							
Quantum	M3240S	10 Ms	5400	Ultra SCSI-3	128k	\$319	\$369
4.3 GB							
Conner	CFP4207W	10 Ms	7200	Fast Wide SCSI-2	512k	\$560	\$610
Fujitsu	M2934SAU	8 Ms	7300	Fast SCSI-2	512k	\$559	\$599
Fujitsu	M2954SYU	8 Ms	7300	Ultra SCSI-3	512k	\$599	\$649
IBM	DCAS-34330	8.5 Ms	5400	Ultra SCSI-3	512k	\$419	\$469
IBM	DCAS-34330W	8.5 Ms	5400	Ultra Wide SCSI-3	512k	\$459	\$509
Quantum	CY54335A	14Ms	3600	EIDE-4	128k	\$259	\$319
4.5 GB							
Seagate	ST34501W	8.5 Ms	10033	Ultra Wide SCSI-3	512k	\$799	\$849
Micropolis	MC4345WS	7.9 Ms	7200	Ultra Wide SCSI-3	512k	\$599	\$649
Seagate	ST34572W	8.9 Ms	7200	Ultra Wide SCSI-3	512k	\$699	\$749
Quantum	AL34550S	8 Ms	7200	Ultra SCSI-3	512k	\$659	\$709
Quantum	AL34550SW	8 Ms	7200	Ultra Wide SCSI-3	512k	\$669	\$729
6.5 GB							
Quantum	QTST6480s	10 Ms	5400	Ultra SCSI-3	128k	\$669	\$719
9.1 GB							
Micropolis	3391NS	7.9 Ms	7200	Ultra SCSI-3	512k	\$949	\$999
Quantum	AL39100SW	8 Ms	7200	Ultra Wide SCSI-3	1024k	\$979	\$1029
Seagate	19171N	9 Ms	7200	Ultra SCSI-3	512k	\$990	\$1050



Open: 9am-7pm M-F / 10am-4pm Sat. CST E-Mail Us at: owc@macsales.com



ther World Computing

SERVING THE MAC UNIVERSE SINCE 1988

Competitive Prices, Quality Products and NEVER a Surcharge for Credit Cards!



800-275-4576

Products to Make Your Mac A Faster Mac!

HOT DEAL!

HOT BUY!
New Processor
DaughterCard
604e/180

\$295

NO TRADE-IN REQUIRED!



Save \$20 on any 1Mb Cache Card
with any New 604e Processor
Upgrade Card Purchase!



\$20 OFF

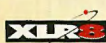
The Processor cards we sell are compatible with PowerMac 7300/7500/7600/8500/8600/9600, Most PowerComputing Models, and Umax J700 & S900. Please specify computer, as some systems require low-profile/short type card.



SCHOOL/GOVERNMENT/CORPORATE
PURCHASE ORDERS ACCEPTED
(SUBJECT TO CREDIT APPROVAL)

Accelerate with Confidence!
All products purchased from OWC on this page
have a 30 Day Money-Back Guarantee!

**Clock/Bus Adjustable
MachSpeed 604e MVP
DaughterCards by XLR8**
2 Year Warranty



MVP 604e/180mhz	\$295
MVP 604e/200mhz	\$459
MVP 604e/225mhz	\$569
MVP 604e/233mhz	\$659

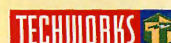
CALL for NEW Arthur/Mach5 250 & 300mhz Cards

**PowerLogix PowerBoost
Series 604e DaughterCards**

1 Year Warranty
PowerBoost cards are fixed bus/clock. **POWERLOGIX**
PowerBoost Pro Cards are bus/clock adjustable.

PowerBoost 604e/180	\$289	Pro	\$329
PowerBoost 604e/200	\$449	Pro	\$469
PowerBoost 604e/225	\$559	Pro	\$589
PowerBoost 604e/233	\$649	Pro	\$679

**Techworks
MultiProcessor
DaughterCards**
2 Year Warranty



More Powerrrrr!

Techworks DayStar Dual 604e/180 (360mp)	\$929
Techworks DayStar Dual 604e/200 (400mp)	\$1099
Techworks DayStar Dual 604e/225 (450mp)	\$1229
Techworks DayStar Dual 604e/233 (466mp)	\$1349

**Level 2 Cache for 6100/7100/8100
& Performa 611X Series Computers**

Level 2 Cache increases the efficiency of your computer by allowing it to keep often used instruction processes in fast cache memory.

Please note: 6100/66, 7100/80, & All 8100s included 256k L2 from Apple Factory.

**Motorola
256k L2
Cache**

\$15

**HOT
BUYS!**

**IDT
1024k L2
Cache**

\$149

Adding this cache to a computer without
a functional cache installed will increase
performance by up to 40%

**Up to 55%
Performance Boost!**



**Level 2 Cache for 7200/7300/7500/7600/8500/8600,
Certain PowerComputing & Umax Models**

Please note: 7200/120, All 73/76/85/8600s include 256k L2 Cache, as well as some PowerComputing/Umax models.
256k Level 2 Cache - \$49 512k Level 2 Cache - \$85



PowerLogix RapidCache 01 1024k Cache for PowerMac 7200/compat.	\$119
PowerLogix RapidCache 02 1024k Cache for All Models	\$159
PowerLogix UltraCache 1024k High Speed for All Models	\$279

**Level 2 Cache for PowerMac & Performas 5400/5500/6360/6400/6500,
StarMax Computers/clones, PowerComputing PowerBase Computers, & Umax
c500/c600 Computers.** Please note: 6400/200, All 6500s, & Some PowerBase come with 256K L2 Factory Installed

256k High Performance Level 2 Cache - Up to 40% Performance Boost	\$45
512k High Performance Level 2 Cache - Up to 53% Performance Boost	\$89
1024k High Performance Level 2 Cache - Up to 70% Performance Boost	\$199

Mac and PowerMac Clock Acceleration Products

OWC Booster 605

Fixed Accelerator increases speed of
Quadra 605, Performa 475/476, LC
475/476 from stock 25mhz to 33mhz.
CPU Heat Sink Included. Less than
5 minutes to install-No soldering or
Permanent Modification! 5yr. Warranty. **\$39.95**



OWC Booster 610

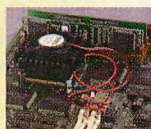
Adjustable Speed Accelerator increases the performance
of Quadra and Centris 610 machines by up to 50%! 20
variable speed settings. CPU HeatSink included. Less than
5 minutes to install-No soldering or Permanent Modification! 5yr Warranty **\$44.95**

OWC Booster 660av

Adjustable Speed Accelerator increases the performance of
Quadra & Centris 660av from 25mhz to up to 36mhz! 20
variable speed settings. CPU HeatSink included. Less than 5
minutes to install-No soldering or Permanent Modification!
5yr Warranty **\$44.95**

OWC Rocket 601

For 6100/7100/8100 &
Radius 100/110's. 20 variable
speed settings to improve
computing performance by up
to 40%! Whisper Quiet Cooling
Fan included. Less than 5 minutes to install - No soldering
or Permanent Modification!
5yr Warranty. **\$49.95**



**OWC AfterBurner 604
168mhz for
604 based Apple
PowerMacs
7500/7600/8500/9500**

Adjustable Speed Accelerator increases
performance of 604 PCI PowerMacs
with Apple Daughtercard by up to
30%. 16 variable speed settings. Less
than 5 minutes to install. **\$59.95**



System Software
ACCELER8ION



**Upgrade to
Mac OS 8
for ONLY
\$94.95**

Other World Computing

224 West Judd St., Woodstock, IL 60098
International: (815) 338-8685
Fax: (815) 338-4332



Prices, availability, and specification subject to change without notice. Items not covered by 30 Day Money
back guarantee subject to 15% restocking fee if returned for credit. Returns for credit accepted within 30 days of purchase only.



ther World Computing

SERVING THE MAC UNIVERSE SINCE 1988



Competitive Prices, Quality Products and NEVER a Surcharge for Credit Cards!



800-275-4576

OWC is an authorized Techworks Reseller



Power To Perform™



Certified by Apple Computer
Power Computing
Recommended by Power Computing

30 Day Money Back Guarantee LifeTime Replacement Warranty on all Memory

30 PIN SIMMS for Older Macs 70 or 60ns (Specify)

1 MEGABYTE	.....	\$10
2 MEGABYTE	.....	\$15
4 MEGABYTE	.....	\$25
8 MEGABYTE	.....	\$69
16 MEGABYTE	.....	\$99

72 PIN SIMMS

2k Refresh 60/70/80ns (specify)

for Apple LCIII; Performa/LC 475,476,477,575,577,578,580; Centris/Quadra/Performa 605,610,630,631,635,637,638,660ay, 800,840ay; PowerMac/Performa 6100,6110,6112,6115,7100, & 8100 Series computers. Also compatible with Apple 610 & 6100 Dos Cards.		
4 MEGABYTE	.....	\$19
8 MEGABYTE	.....	\$29
16 MEGABYTE	.....	\$59
32 MEGABYTE	.....	\$115

Video Ram Memory Upgrades

256k PMac 7100/Quadra800/650	.....	\$15
512k PMac 8100/Quadra's/LC's	.....	\$25
1MEG PMac 72/75/76/8500 & Comp.	.....	\$29
1 MEG PCI Dos Card Upgrade	.....	\$25
4 MEG StarMax/4400/PowerBase	.....	\$69

3.3v EDO 168 PIN DIMMS 60ns

for Motorola StarMax, APS, PowerTools Clones & Apple PowerMac 4400	
16 MEGABYTE	\$69
32 MEGABYTE	\$115
64 MEGABYTE	\$239

5v 168 PIN DIMMS 2K Refresh 60ns

for Apple 5400/6360/6400/7200/7300/7500/7600/ 8500/9500 & Compatible PowerComputing & Umax Computers.		
16 MEGABYTE	.....	\$65
32 MEGABYTE	.....	\$115
64 MEGABYTE	.....	\$229
128 MEGABYTE	.....	\$849

5v EDO 168 PIN DIMMS 2K Refresh 60ns

for Apple 5500/6500/8600/9600, PowerComputing PowerBase, & Umax C500/C600 Computers Will Also work in all machines utilizing non-EDO 5v memory dimms except Apple 7200.		
16 MEGABYTE	.....	\$69
32 MEGABYTE	.....	\$119
64 MEGABYTE	.....	\$235
128 MEGABYTE	.....	\$899

SPECIAL PURCHASE
HOT BUY! 64 MEG* \$325
for 3400
*Non-Techworks module



PowerBook 3400 Series Memory

16 MB	.....	\$109	64 MB	.....	\$449
32 MB	.....	\$189	96 MB	.....	\$749
			128 MB	.....	\$849

PowerBook 1400 Stackable Memory

8 MB	\$79	16 MB	\$109	24 MB	\$139
------	-------	------	-------	-------	-------	-------	-------	-------

PowerBook 5300/190/500 Series (PLEASE SPECIFY)

8 MB	.....	\$69	16 MB	.....	\$99	24 MB	.....	\$149
32 MB	.....	\$189	48 MB	.....	\$279	* FOR 5300 ONLY		

PowerBook Duo Series Memory

8 MB	.....	\$79	12 MB	.....	\$119
16 MB	.....	\$119	20 MB	.....	\$159
24 MB	.....	\$169	28 MB	.....	\$199
32 MB	.....	\$199	36 MB	.....	\$249
48 MB	.....	\$299	* FOR 2300 ONLY		

30 Day MoneyBack Guarantee on all SCSI & IDE Hard Drives!

Internal & External SCSI Hard Drives

All hard drives ship preformatted with FWB HD Tool Kit PE 2.0.6 or higher and over 30mbs of shareware/freeware/public domain software installed. External Drive enclosures have a 40 Watt Universal Auto-Switching Powersupply, Push Button ID Selector, Dual SCSI Ports, High-Capacity UltraQuiet Cooling Fan, and include power cable and SCSI Cable.

FWB HD Tool Kit v2.0.x Included with all Hard Drives
30 Day Money Back Guarantee Full Manufacturer Warranty



		Internal	External
Quantum 2.1gb Fireball ST	5400rpm 9.5ms w/3yr Warranty	\$229	\$279
Quantum 2.1gb Atlas II	7200rpm 8ms w/5yr Warranty	\$349	\$399
Quantum 3.2gb Fireball ST	5400rpm 9.5ms w/3yr Warranty	\$299	\$349
Quantum 4.3gb Fireball ST	5400rpm 9.5ms w/3yr Warranty	\$359	\$409
IBM 4.3gb UltraStar II	5400rpm 8.5ms w/5yr Warranty	\$389	\$439
Quantum 4.5gb Atlas II	7200rpm 8ms w/5yr Warranty	\$569	\$619
Quantum 6.4gb Fireball ST	5400rpm 9.5ms w/3yr Warranty	\$449	\$499
Quantum 9.1gb Atlas II	7200rpm 8ms w/5yr Warranty	\$999	\$1049

IOmega JAZZ 2GB - CALL!

SCSI Removable Storage Devices, CD-Rom, & CD-Recordable Products

		Internal	External
Iomega Zip Plus 100mb		\$179*	\$149
Iomega Jaz 1gb		\$299*	\$359
Panasonic 24x CD-Rom		\$159	\$199
Sony CDU926	2x Write/6X Read CDR w/ToasiPro	\$349	\$399
Yamaha 400T	4x Write/6x Read CDR w/ToasiPro	\$499	\$549
Zip 100mb Carts	- \$13 each / \$115 per 10pk		
Jaz 1gb Carts	\$85 each / \$400 per 5pk / Call for Jaz 2gb Cartridges		
CDR Recordable Gold Media	- \$4.99 ea. / \$45 per 10pk / \$399 per 100pk		

IDE 3.5" Internal Hard Drives

IDE 3.5" Drives for Performa/Quadra 630,5200,5300,5400,6200,6300, 6400, & 6500 Series Computers; StarMax, APS, and PowerMac 4400 computers.

Quantum 1.7gb Fireball TM	4500rpm 11ms 3yr	\$189
Quantum 2.5gb Fireball ST	5400rpm 9.5ms 3yr	\$239
Quantum 3.2gb Fireball ST	5400rpm 9.5ms 3yr	\$259
Quantum 3.8gb Fireball ST	5400rpm 9.5ms 3yr	\$299
IBM 4.0gb UltraStar II	5400rpm 8.5ms 3yr	\$329
Quantum 6.4gb Fireball ST	5400rpm 9.5ms 3yr	\$399

2.5" SCSI PowerBook Hard Drives



Toshiba 810mb SCSI 2.5"	12ms w/3yr Warranty	\$399
Apple 1gb SCSI 2.5"	12ms w/1yr Warranty	\$499

2.5" IDE PowerBook Hard Drives

Fujitsu 1.6gb	4464rpm 12ms w/3yr Warranty	\$189
Hitachi 2.1gb	4436rpm 12ms w/3yr Warranty	\$229
Toshiba 2.1gb	4200rpm 13ms w/3yr Warranty	\$239
Toshiba 3.1gb	4200rpm 13ms w/3yr Warranty	\$419
Hitachi 3.2gb	4436rpm 12ms w/3yr Warranty	\$439

Other World Computing

224 West Judd St., Woodstock, IL 60098
International: (815) 338-8685
Fax: (815) 338-4332



Prices, availability, and specification subject to change without notice. Items not covered by 30 Day Money back guarantee subject to 15% restocking fee if returned for credit. Returns for credit accepted within 30 days of purchase only.



Open: 9am-7pm M-F / 10am-4pm Sat. CST

E-Mail Us at: owc@macsales.com



ther World Computing

SERVING THE MAC UNIVERSE SINCE 1988

Competitive Prices, Quality Products and NEVER a Surcharge for Credit Cards!



800-275-4576

www.macsales.com
24hr. Online Web Ordering
and Product Information
DAILY UPDATED PRICES
and **SPECIALS**

3D GAMING

Power to Play

Turn your PowerPC into a Power Arcade!

TechWorks1 Power3D graphics accelerator card comes with a three-year limited warranty and a 30 day money-back guarantee!



Upgrade your PowerPC to a Power Arcade!

The Power3D card is dedicated to bringing you the best performance available for MacOS 3D games. Most 3D computer graphics solutions try to be all things to all people. No compromises here. Power3D is designed for one thing only and that is great games. This is truly the most awesome gaming card available on the Mac! Power3D delivers the best gaming experience ever.

The Power3D does not replace your existing 2D graphics, it works with your existing graphics card to provide you the absolute in 3D performance. Install the Power3D in your PowerPC (requires one available PCI slot in your system) and use the provided pass-through cable to turn your PowerPC into a Power Arcade system!

**New Techworks
Power3D PCI
only \$199**



Bundled with these awesome 3D games:

Quake™: Episode 1 (8 level) with native 3Dfx MacGlide support
MechWarrior® 2 by Activision 3D RAVE version
VR Soccer™ by VR Sports (Actua™ for Europe) 3Dfx MacGlide version
Weekend Warrior™ by Bungie with native 3Dfx MacGlide version

Power3D Features

- Turns your PowerPC into a Power Arcade!
- Provides full-screen 3D acceleration
- Supports up to 32,000 (16-bit) colors
- Supports 640x480 full-screen resolution
- Easy install - works with existing 2D video
- Works on any PowerPCs with a PCI slot
- Supports QuickDraw™ 3D RAVE® games
- Exclusive - native 3Dfx Glide API support!

- Bi-linear filtering smoothes blocky textures
- Anti-aliasing eliminates "jagged" edges
- Perspective correction enhances realism
- MIP mapping eliminates texture "sparkling"
- Gouraud shading enhanced lighting effects
- Z-buffering adds depth to 3D objects
- Alpha blending for fog and translucency
- Texture compositing reduces 3D "pop-up"

Awesome Performance (BENCHMARKS FOR YOU GEEKS OUT THERE!)

- 45 megapixels per second sustained polygon fill with all 3D features enabled!
- Over 1 million triangles per second throughput on filtered, mip-mapped, Z-buffered, alpha-blended, fogged, textured 25-pixel triangles
- In addition to QuickDraw 3D RAVE, supports 3Dfx native MacGlide API that enables games to access additional 3Dfx features plus enhanced game performance

MULTI MEDIA SOUND SYSTEM

Check Out The Fantastic Mac-constics



Atlantic Technology M105/M110 BassToaster and Loudspeaker System 50 Watt Sub-Woofer Speaker System

TOP RATED

\$99*



TAKE YOUR MUSICAL & SOUND EXPERIENCE TO A WHOLE NEW LEVEL.

Other World Computing is proud to offer new Atlantic Technologies multi-media speaker systems. These systems include the M105 BassToaster subwoofer unit and 2-M110 loud speakers. The loud speakers provide a satellite style system around your desk while the BassToaster can be conveniently placed anywhere. Whether for playing music or for the full effect of today's multimedia software & games, the M105/M110 speaker set provide an unrivaled sonic experience for only \$99!

With a free 30 day in home trial, how can you go wrong?

The M105 "Bass Toaster" is a powered subwoofer module with built-in amplification. It is also equipped with a crossover selector that will match the frequency response of virtually any multimedia system. A rugged 45 watt amplifier ensures that the M105 can easily reproduce all the dynamics of the signal source no matter where the subwoofer is located. This internal amplifier powers a single 6 1/2" long throw driver. The driver and the internal amplifier are equalized to match the internal dimensions of the cabinet for superb bass reproduction of any program material.



The M110 Loud Speakers are a high quality, dual input, multimedia speaker system in it self. The M110's comes complete with right and left speakers, an external poweradapter, and two interconnecting mini-plug stereo cables. The speakers are ported to obtain a deeper bass response. The right speaker (the master) contains both of the amplifiers for the system. The left speaker (slave) connects to the right and has only one input jack.

The M110 is fully compatible with any powered subwoofer and the M105 BassToaster will also function by itself or with most third party computer speakers, however as a three piece set, this matched loud speaker/subwoofer system provides an astonishing multimedia experience at a truly affordable price. Also, while supplies last, we will include the M110 directional speaker stands (as pictured) for no additional charge. Separately these stands normally retail for \$29.00.



Other World Price is Regularly \$109.00, but with the order of anything else, you get this system for just \$99.00!

C-net reviewed this system and listed its retail price at \$269.00!

See its review at: <http://www.cnet.com/Content/Reviews/Compare/Speakers/ss02k.html>

Other World Computing

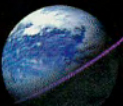
224 West Judd St., Woodstock, IL 60098

International: (815) 338-8685

Fax: (815) 338-4332



Prices, availability, and specification subject to change without notice. Items not covered by 30 Day Money back guarantee subject to 15% restocking fee if returned for credit. Returns for credit accepted within 30 days of purchase only.



ther World Computing

SERVING THE MAC UNIVERSE SINCE 1988



Competitive Prices, Quality Products and NEVER a Surcharge for Credit Cards!



800-275-4576



HighPower PowerMacintosh

180mhz 250mhz 350mhz

7300/180&200

With the Power Macintosh 7300/180 or 200, you can get productivity today while you plan for tomorrow. The 180 or 200-megahertz PowerPC 604e processor and the three PCI expansion slots help meet your changing needs by allowing easy customization. The Power Macintosh 7300 series features the performance of a 180- or 200-megahertz RISC-based PowerPC 604e processor, a 12x-speed CD-ROM drive*, and either 16 or 32 megabytes of RAM, expandable to 512 megabytes. *Supports speeds up to 12x.



8600/250&300

The Power Macintosh 8600/250 or 300 is Apple's multimedia authoring system for professionals who require optimized performance for creating and communicating their ideas. Its 250 or 300-MHz processor and 1MB of Apple Inline Cache make it twice as fast as last year's Power Macintosh systems. Equipped with a built-in 100MB Zip drive (on some configurations) and 24x-speed (maximum) CD-ROM drive, the Power Macintosh 8600/250 or 300 is considered one of the most powerful desktop computers available to date.



9600/300&350

Attention publishers and multimedia professionals. Searching for the fastest, most powerful desktop computer available today? Introducing the Power Macintosh 9600/350, a computer fifteen times faster than the fastest 68040-based system. Equipped with the only 350-MHz processor in its class and 1MB of Apple Inline Cache, the Power Macintosh 9600/350 also comes with a built-in 100MB Zip drive (on some configurations) and 24x-speed CD-ROM drive. The result is outstanding performance that can handle even the most complex color publishing and video editing tasks.



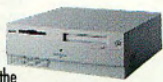
7300/180	16/2gb/12X -	\$1849
7300/180	32/2gb/12X -	\$1899
7300/180	64/4gb/12X -	\$2199
7300/200	32/2gb/12X -	\$1999
7300/200	64/4gb/12X -	\$2299
7300/200	128/6.4gb/12X -	\$2625

8600/250	32/4gb/24X -	\$2499
8600/250	64/4gb/24X -	\$2599
8600/250	128/4gb/24X -	\$2799
8600/300	32/4gb/24X/Zip -	\$2999
8600/300	64/4gb/24X/Zip -	\$3099
8600/300	128/4gb/24X/Zip -	\$3299

9600/300	64/4gb/24X -	\$3599
9600/300	128/4gb/24X -	\$3799
9600/300	256/9gb/24X -	\$4699
9600/350	Configurations	CALL!

4400/200

The Power Macintosh 4400/200 was made for people who value performance, but not at any price. It provides the speed of RISC technology, the flexibility of PCI architecture, and all the software required for Internet access, yet the outstanding affordability of this model makes it accessible to most anyone.



4400/200	16/2gb/8X -	\$1349
4400/200	Small Business 32/4gb/12X -	\$1549

PowerMac 6500

UpTo300mhz!

The Apple 6500 Series offers a wide range of system packages making it easy to find the one that best suites your needs



6500/225 HOME

The Power Macintosh 6500 series is the most powerful fleet of entry level Power Macs ever released-and the Power Macintosh 6500/225 is no exception. A 225-MHz processor easily handles the computer's accelerated multimedia capabilities, seamless Internet access, and enhanced video playback. And the more than 15 best-selling software titles that come bundled with the Power Macintosh 6500/225 provide your household with the easiest way to learn, create, and communicate.

6500/275 Small Business

A 275-MHz processor drives this version of the Power Macintosh 6500, which includes best-selling software programs designed to bring your small business big returns. A 6GB hard disk drive and 48MB of system RAM can handle all your important data-and the Power Macintosh 6500/275 comes with everything you need to get your small business on the Internet, even create your own small business Web page.

6500/275 Creative Studio

Powerful creativity demands a powerful computer. The Power Macintosh 6500/275 Creative Studio delivers. Featuring a high-speed 275-MHz processor, 2-D and 3-D graphics acceleration, and a host of advanced video editing functions, the Creative Studio throws open the doors of your imagination. And the 22 high-quality software titles included with the Creative Studio can help transform those ideas into reality. The Creative Studio comes packed with 22 high-quality software titles, including six integrated software studios for video, music, photography, art, 3-D, and Internet media. The Creative Studio comes with the Apple Video System for video input, an Avid Cinema Video Editing System that allows you to produce your own videos, and the Apple TV/FM Radio System, which plays TV and FM radio stations right on your computer.

PowerPC PowerBooks



PowerBooks

1400c/166	16/2gb/8X -	\$2599
3400c/180	16/1.3gb/12X/33.6/Ethernet -	\$3399
3400c/200	16/2gb/12X/33.6/Ethernet -	\$3599
3400c/240	16/3gb/12X/33.6/Ethernet -	\$4149

	Home	Small Business	Studio
6500/225	32/2gb/12X - \$1549	N/A	N/A
6500/250	32/2gb/12X - \$1799	48/3gb/12X/Zip - \$1999	N/A
6500/275	N/A	48/6.4gb/12X/Zip - \$2299	64/4gb/12X/Zip - \$2399
6500/300		48/4gb/12X/ZIP - \$2399	N/A

DISPLAYS

ACCESSORIES

Monitors

Apple MS 15AV	\$359
New Apple 17" Displays	CALL
Apple 850 20" Display	\$1549
Apple 850av 20" Display w/Speakers	\$1699
Viewsonic E641 14" Display - Budget Buy!	\$199
Viewsonic E655 15" Display	\$299
Viewsonic v773 17" .27dp Display	\$549
Viewsonic 17GA 17" AV .27dp Display	\$629
Viewsonic 21 P815 .25db 1600x1200	\$1499
Sony 17" CPD200SF .25dp	\$699
Sony 20" CPD300SF .25dp	\$1499



Surge Suppressors

Kensington PT20 Portable Power/RJ11 Telephone Surge Suppressor	\$29
Kensington Gold 2000 6 Outlet Surge Suppressor	\$19

Backup Power Supplies

American Power Conversion BackUPS 280VA Good for Most Desktop Macs	\$109
American Power Conversion BackUPS 450VA Good for Most Tower Macs	\$159
American Power Conversion BackUPS 600VA Good for most WorkStations and MultiProcessor Systems	\$259

Mac Batteries

3.6v Lithium Clock/PRam Battery for Mac II Series/LC II,III,400 Series/Quadra 475,610,660av,700,800,840av, Most PowerMacs.	\$9.95
4.5v Lithium Clock/PRam Battery Quadra/Performa/LC 630,631,635,637, 638,640s, PowerMac 4400s.	\$15.95

Other World Computing

224 West Judd St., Woodstock, IL 60098
International: (815) 338-8685
Fax: (815) 338-4332



Prices, availability, and specification subject to change without notice. Items not covered by 30 Day Money back guarantee subject to 15% restocking fee if returned for credit. Returns for credit accepted within 30 days of purchase only.

CALL CLUBMAC FOR



Quantum

**STRATUS
2.1GB**

**NEW
LOW
PRICE**

128K CACHE
5400 RPM
Internal

\$229

Seagate

BARRACUDA 4XL

4.5GB 8.5MS Access
7200 RPM
Internal

\$679

**MICROPOLIS
3243**
4.3GB \$349
7200 RPM Internal

**Seagate
CHEETAH**
Fast & Wide
4.5GB \$779
10000 RPM Internal

**Quantum
VIKING**
4.5GB \$499
7200 RPM Internal

**Quantum
ATLAS II**
9.1GB \$899
7200 RPM Internal



HARD DRIVES

Quantum Quantum Stratus drives carry a 3 Year Warranty
Quantum Atlas & Viking drives carry a 5 Year Warranty

Ultra SCSI-3

Description	Model	Access	RPM	Internal	External
2.1GB Stratus	QM32160STS	10ms	5400	\$229	\$279
3.2GB Stratus	QM33240STS	10ms	5400	\$329	\$379
4.3GB Stratus	QM34320STS	10ms	5400	\$359	\$409
4.5GB Viking	QM34550VKS	8ms	7200	\$499	\$549
4.5GB Atlas II	QM34550ALS	8ms	7200	\$649	\$699
6.4GB Stratus	QM36480STS	10ms	5400	\$489	\$539
9.1GB Atlas II	QM39100ALS	8ms	7200	\$899	\$949

UltraWide SCSI-3

2.2GB Viking	QM32275VKS	8ms	7200	\$419	\$499
4.5GB Viking	QM34550VKS	8ms	7200	\$549	\$629
4.5GB Atlas II	QM34550ALW	8ms	7200	\$619	\$699
9.1GB Atlas II	QM39100ALW	8ms	7200	\$919	\$999

IDE Drives

1.6GB Stratus	QM31620STA	10ms	4500	\$155	----
2.1GB Stratus	QM32160STA	10ms	4500	\$189	----
3.2GB Stratus	QM33240STA	10ms	4500	\$225	----
4.3GB Stratus	QM34320STA	10ms	4500	\$265	----
6.4GB Stratus	QM36480STA	10ms	4500	\$359	----

Seagate

Seagate drives carry a 5 Year Warranty

Ultra SCSI-3

4.5GB Barracuda 4XL	ST34572N	8.5ms	7200	\$679	\$729
4.5GB Cheetah	ST34501N	8ms	10000	\$779	\$829
9.1GB Barracuda 9	ST19171N	8ms	7200	\$1099	\$1149
9.1GB Cheetah	ST19101N	8ms	10000	\$1249	\$1299
UltraWide SCSI-3					
4.5GB Barracuda 4XL	ST24572W	8.5ms	7200	\$729	\$809
4.5GB Cheetah	ST34501W	8ms	10000	\$829	\$909
9.1GB Barracuda 9	ST19171W	8ms	7200	\$1149	\$1229
9.1GB Cheetah	ST19101W	8ms	10000	\$1299	\$1379

Fast SCSI-2

23GB Elite 23 \$2099 \$2199

Fast&Wide SCSI-2

23GB Elite 23 \$2199 \$2299

IBM

2.5" IDE HARD DRIVES

1.6GB Travelstar	73H7693	13ms	4000	\$199	----
2.1GB Travelstar	73H7673	13ms	4000	\$259	----
3.0GB Travelstar	46H6144	13ms	4000	\$399	----

THE CLUBMAC PACKAGE ClubMac drives are preformatted and thoroughly tested. ClubMac drives include a 30-Day Money Back Guarantee, Charismatic Anubis Formatting Utility software, user's guide, brackets (wide drives include internal ribbon cable), 25/50-pin SCSI cable and power cord for external drives (wide drives include 68/68 pin SCSI cable).

TAPE BACK-UP

ClubMac DDS-3 DAT Drive
12-24GB
\$1199

CLUBMAC TAPE BACK-UP
4-8GB DDS-2 Compression DAT Drive.....\$799
4-8GB DDS-2 Performance DAT Drive.....\$899
12-24GB DDS-3 Lightning DAT Drive.....\$1199
15-30GB DLT Drive w/ Retrospect.....\$2699
20-40GB DLT Drive w/ Retrospect.....\$3189

ClubMac 8mm AIT Drive
25-50GB
Up to 6MB/Sec!
\$3449

CLUBMAC AIT DRIVE
25-50GB 8mm AIT Drive.....\$3449

All ClubMac Tape Back-up Products are bundled with Retrospect 4.0

RETROSPECT 4.0
Retrospect 4.0 Retail Single User.....\$149
Retrospect 4.0 Remote 10 User License.....\$175
Retrospect Network Kit 4.0 (w/10 User license).....\$275

REMOVABLE

Get a Second 1.5GB Cartridge FREE!
syJet 1.5GB
\$399

REMOVABLE DRIVES

ClubMac SyQuest 200MB 5.25".....\$349
SyQuest EZ Flyer 230MB 3.5".....\$149
SyQuest SyJet 1.5GB 3.5".....\$399
Nomai 750MB 3.5".....\$299

SYQUEST MEDIA

Media	Qty 1	Qty 10	Qty 20
44MB	\$38ea	\$375ea	\$37ea
88MB	\$38ea	\$375ea	\$37ea
200MB	\$59ea	\$58ea	\$57ea
270MB	\$43ea	\$42ea	\$41ea
EZ230MB	\$27ea	\$265ea	\$26ea
1.5GB SyJet	\$1249ea	\$99ea	\$89ea

CD READERS & RECORDABLES

ClubMac 24X
24X CD-ROM
3600KB/sec data transfer
90ms avg access time
Caddy-less design
\$199

ClubMac \$529
4X/6X CD Recorder
Your Choice
Disc 2.0
Toast 3.5

CLUBMAC CD-ROM READERS
12X 140ms 1800k/sec.....\$139
24X 90ms 3600k/sec.....\$199
16X 5 Disc CD Changer.....\$299

CLUBMAC CD-RECORDERS
2X/6X CD-R w/Toast Pro 3.5.....\$379
4X/6X CD-R w/Toast Pro 3.5.....\$529
CLUBMAC CD-REWRITABLE
2X/2X/6X CDR w/Toast Pro 3.5.....\$549

THE CLUBMAC PACKAGE: ClubMac CD-ROM & CD Recorders are thoroughly tested. CD-ROM & CD Recorders include a 30-Day Money Back Guarantee, Charismatic CD AutoCache utility software, user's guide, 25/50-pin SCSI cable, terminator, and power cord.

Zip Plus Drive

iomega
Includes One Free Cartridge with Zip Tools
100MB
\$199⁹⁵

Jaz 2GB Drive

iomega
2.0GB \$649⁹⁵
Includes One Free Cartridge with Jaz Tools

IOmega ZIP DRIVES
Zip Drive w/one cartridge.....\$139⁹⁵
Zip Bundle - drive, 11 Disks, Case, 2 Caddy's.....\$279⁹⁵
Zip Drive Internal - all PowerMacs.....\$159
Zip Drive Internal - all PowerComp/UMax.....\$139

IOmega JAZ DRIVES
Jaz 2GB Media.....\$199⁹⁵
Jaz 2GB Drive Internal - all PowerMacs.....\$549⁹⁵
Jaz Drive w/one cartridge.....\$399⁹⁵
Jaz Drive Internal - all PowerComp/UMax.....\$279

Call for Other Zip and Jaz Solutions and Accessories

IOmega JAZ AND ZIP MEDIA

GET MORE STORAGE FOR YOUR STUFF!!!

ZIP MEDIA

Format	Part#	Qty 1-2	Qty 3-6	Qty 7-9	Qty 10+
MAC	1040 1006	\$19 ⁹⁵	\$16 ⁹⁵	\$14 ⁹⁵	\$12 ⁹⁵
PC	1040 1009	\$19 ⁹⁵	\$16 ⁹⁵	\$14 ⁹⁵	\$12 ⁹⁵

1GB JAZ MEDIA

Format	Part#	Qty 1-2	Qty 3-5	Qty 6+
MAC	1040 1015	\$124 ⁹⁵	\$99 ⁹⁵	\$89 ⁹⁵
PC	1040 1037	\$124 ⁹⁵	\$99 ⁹⁵	\$89 ⁹⁵

CALL 1-800-260-5109 FOR A FREE CATALOG

WARRANTIES: All items manufactured by ClubMac are returned to ClubMac for warranty repair. All other items carry manufacturer's warranty. MONEY BACK GUARANTEE: All products manufactured by ClubMac carry a 30 day money back guarantee. ClubMac extends all other manufacturers' return policies to its customers. Non-ClubMac products carry 30 day money back guarantee when specified. RETURNS: Call for RMA number! Any product that is returned WITHOUT an RMA number will be refused. ALL PRODUCT INFORMATION AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS.

THE LOWEST PRICE!



200MHz UMAX® 300MHz PowerPC 604e PowerPC

IN STOCK!

\$995

SUPERMAC C500LT

- 200MHz 603e • 2GB IDE HD
- 16MB RAM • 1MB VRAM
- 12X CD ROM • 33.6 external modem

SuperMac C500i 200MHz 603e, 16MB RAM, 2GB HD, 12X CD, 33.6 modem, \$1200 Software ... **\$1095***

SuperMac C500e 200MHz 603e, 16MB RAM, 2GB HD, 12X CD, Ethernet, \$1200 Software ... **\$1095***



*Monitor sold separately

\$3799

POWERMAC 9600

- 300MHz 604e PowerPC™
- 24X CD ROM
- 1MB L2 Cache
- 64MB RAM
- 4GB HD

64MB RAM



*Monitor sold separately.

UMAX® SUPERMAC C600X

Starting at **\$1195***

- Up to 280MHz 604e
- Up to 32MB RAM
- Fast as 12X CD ROM
- Up to 4GB HD

FREE SCANNER
UMAX Astra 600S
Free with Purchase of any C600 System

- SuperMac C600 200MHz 603e, 16MB, 2.1GB HD, 8X CD, 33.6, Ethernet... **\$1195***
- SuperMac C600 240MHz 603e, 24MB, 2.1GB HD, 8X CD, 33.6, Ethernet... **\$1395***
- SuperMac C600X 240MHz 603e, 32MB, 3GB HD, 12X CD, 33.6, Ethernet... **\$1795***
- SuperMac C600X 280MHz 603e, 32MB, 4GB HD, 12X CD, 33.6, Ethernet... **\$2095***

*Mail in offer from UMAX. Ask sales representative for details.

PowerMac 6500

Starting at **\$1599***

- Up to 300MHz 604e PowerPC™
- Up to 48MB RAM
- 12X CD ROM
- Up to 6GB HD

Business System Includes Microsoft Office & More!

6500/225MHz 603e, 32MB, 3GB HD, 12X CD, 33.6 Modem... **\$1599***

6500/250MHz 603e, 32MB, 4GB HD, 24X CD, 56K Modem... **\$1999***

6500/275MHz 603e, 32MB, 6GB HD, 24X CD, 56K Modem, Zip... **\$2499***

6500/275MHz 603e, 48MB, 6GB, 24X, 56K, Zip, Business Software... **\$2799***

6500/300MHz 603e, 64MB, 6GB HD, 24X CD, 56K Modem, Zip... **\$2999***

PowerMac 8600

Starting at **\$3099***

- 300MHz 604e Mach 5
- 32MB RAM
- 4GB HD
- 24X CD
- Zip

MONITORS

- SONY MultiScan 155X** **\$259**
- 13.9" Viewable
 - 25mm Aperture Grille Pitch
- LIMITED QUANTITY AVAILABLE**
- SONY Multiscan 100SX 15" 1024x768... **\$330**
- Multiscan 100SF 15" 1024x768... **\$389**
- Multiscan 200SX 17" 1024x768... **\$625**
- Multiscan 200SF 17" 1152x870 on screen d... **\$699**
- Multiscan 205F 20" 1280x1024... **\$999**
- Multiscan 300SF 20" 1280x1024... **\$1479**
- APPLE Multiple Scan 15AV 15" 1024x768... **\$399**
- AppleVision 750 17" 1024x1024... **\$849**
- AppleVision 750AV 17" 1280x1024, speakers... **\$949**
- AppleVision 850 20" 1600x1200... **\$1489**
- AppleVision 850 AV 20" 1600x1200... **\$1749**
- RADIUS PressView 17SR 17" 1600x1200... **\$1699**
- PrecisionView 21SR 21" 1600x1200... **\$3199**
- PrecisionView 21" 1600x1200... **\$1749**

GRAPHIC CARDS

- Nexus GA™ 8MB** **\$529**
- ATI
- Nexus GA™ 8MB 2D & 3D Pro PCI... **\$529.00**
- XLclaim VR™ 4MB PCI graphics card... **\$244.25**
- XLclaim TV™ Tuner... **\$39.00**
- IX MICRO
- Twin Turbo 128M 2MB PCI... **\$239**
- Twin Turbo 128M 4MB PCI... **\$329**
- Twin Turbo 128M 8MB PCI... **\$529**
- TURBO TV
- ThunderPower 30/1600 (PCI)... **\$549**
- ThunderPower 30/1920 (PCI)... **\$659**
- Thunder 30 (PCI)... **\$1599**
- VideoVision Studio 2.5.1 (NuBus)... **\$999**
- VideoVision Studio 2.0 (PCI)... **\$2499**

MODEMS

- BEST DATA** **\$69.99**
- 33.6KFLXMAC Data Fax Modem
- GLOBAL VILLAGE
- Teleport 56K Fax/Modem... **\$149***
- Teleport 56K Fax/Modem w/2 technology... **\$149***
- 56K PCMCIA Combo Card... **\$359**
- BEST DATA
- 33.6FLXMAC Fax/Modem... **\$69.99**
- 56K MAC Fax/Modem... **\$129.99**
- MEGAHERTZ
- Cruise Card, 33.6 w/ X-Jack, Cellular Ready... **\$226**
- U.S. ROBOTICS
- 56K Sportster FAX/Modem w/2... **\$168.99***
- *After \$50 mail-in rebate. Rebates ends 1/17/98

SOFTWARE

- Mac OS 8 It's Here!** **\$65.99**
- Upgrade for Mac OS 7
- APPLE
- System 8.0 CD upgrade... **\$65.99**
- System 8.0 CD w/AICX... **\$94.99**
- Apple Remote Access MultiPort Server V2.1... **\$699.00**
- ADOBE
- Illustrator 7.0 full version... **\$374.95**
- Illustrator 7.0 CD upgrade... **\$114.95**
- Photoshop 4.0 full version... **\$539.95**
- Photoshop 4.0 upgrade... **\$154.95**
- PageMaker 6.5 full version Mac/PMac... **\$539.95**
- PageMaker 6.5 upgrade CD... **\$89.95**
- CLARIS
- FileMaker Pro 3.0... **\$181.95**
- FileMaker Pro 3.0 competitive upgrade... **\$89.95**
- MACROMEDIA
- FreeHand 7 upgrade... **\$138.00**
- FreeHand 7... **\$374.95**
- Director 6 Multimedia Studio upgrade... **\$499.00**
- Director 6 Multimedia Studio... **\$925.00**
- MICROSOFT
- Office Standard 4.2.1 CD or Disk... **\$449.95**
- Office Standard 4.2.1 upgrade CD or Disk... **\$265.95**
- SYMANTEC
- Norton Utilities 3.5 Upgrade... **\$49.95**
- SAM 4.5... **\$63.95**
- Suitcase 3.0... **\$64.85**

PRINTERS

- All EPSON Printers are in stock Now!**
- EPSON
- Epson Stylus Color 600 **1440 DPI**... **\$299**
- Epson Stylus Color 800 **1440 DPI**... **\$399**
- Epson Stylus Color Photo **6 COLOR**... **\$499**
- Epson Stylus Color 3000 **17x 22" 1440 DPI**... **\$1999**
- APPLE
- Apple Color Stylewriter 4100... **\$239**
- Apple Color Stylewriter 4500... **\$339**
- Apple Color Stylewriter 6500... **\$469**
- HEWLETT PACKARD
- Agfa SnapScan for MAC 600DPI 24-Bit... **\$299**
- HP LaserJet 6MP... **\$885**
- HP DeskJet 870CXI... **\$389**

SCANNERS

- PaperPort Vx** **\$99**
- FREE SCSI ADAPTER
- Price after \$50 mail-in rebate. Rebate valid 10/1/97-12/31/97
- Visioneer
- PaperPort Vx w/FREE SCSI adapter... **\$99***
- PaperPort Strobe COLOR... **\$279***
- AGFA
- Agfa SnapScan for MAC 600DPI 24-Bit... **\$299**
- Agfa Arvus II Desktop Pro Scanner... **\$1589**
- LineColor
- LineColor Saphir Scanner 36 bit flatbed... **\$1599**
- LineColor Jade Scanner 33 bit flatbed... **\$499**
- UMAX
- UMAX Astra 600S... **\$169**
- UMAX Powerlook II w/trans. adapter... **\$1357**
- Microtek
- Microtek Scanmaker III w/trans adapter... **\$1389**
- Microtek Scanmaker E6 w/Photoshop... **\$529**
- Microtek Scanmaker V300... **\$149**
- EPSON
- Epson Expression 636 Executive Model... **\$799**

UPGRADE YOUR MEMORY TODAY!

- 72pin SIMMS**
- 4MB '24 8MB '42... **\$195**
- 16MB '69 32MB '139... **\$195**
- POWERBOOK MEMORY 3400 SERIES**
- 4MB '69 32MB '139... **\$195**
- 16MB '129 32MB '195... **\$195**
- 64MB '519 128MB '1049... **\$1049**
- 166pin DIMMS**
- 8MB '24 16MB '84... **\$195**
- 32MB '165 64MB '339... **\$195**
- 16MB '133 32MB '199... **\$199**
- 30pin SIMMS**
- 4MB 4 x 8 SIMMS... **\$32**
- Video RAM**
- 2MB VRAM (ATI) XLclaim GA '85... **\$85**
- 4MB VRAM 4000/Starmax... **\$89**
- 1MB VRAM 7200 - 8500... **\$33**

Sales & Customer Service
24 Hours a Day, 7 Days a Week
(800) 260-5109

Inquiries & International Sales
M - F 9am - 5pm PST
(714) 768-8130

24-Hour Fax
(714) 768-9354

Corporate/Educational Sales
M - F 9am - 5pm PST
(800) 258-2621

Technical Support
M - F 9am - 5pm PST
(800) 854-6227

E-Mail: ClubMac Sales... cmsales@club-mac.com

Customer Service... custsvc@club-mac.com

Technical Support... techsup@club-mac.com

Mail: ClubMac... 7 Hammond, Irvine, CA 92618

PowerMac 7300

Starting at **\$1999***

- 180 or 200MHz 604e
- 16 or 32MB RAM
- 2GB HD • 12X CD

7300/180MHz 604e, 16MB RAM, 2GB HD, 12X CD... **\$1999***

7300/200MHz 604e, 32MB RAM, 2GB HD, 12X CD... **\$2199***

Macintosh PowerBooks

Starting at **\$1999**

- Up to 12.1" Active Matrix
- As fast as 240MHz 603e
- Up to 3GB Hard Drive
- As fast as 12X CD

PowerBook 1400 133MHz 603e, 16MB RAM, 1.2GB HD, 8X CD, 11.3" Dual Scan... **\$1999**

PowerBook 3400 240MHz 603e, 16MB RAM, 3GB HD, 12X CD, 12.1" Active Matrix... **\$4499**

ClubMac®

Source Code 621297

ORDER TODAY! 24 HOURS A DAY 7 DAYS A WEEK

1-800-260-5109

Order On-line @ <http://www.club-mac.com>



Call Us Now For A Free Catalog!!

We got the Goods! The Mac Goods!



www.

UNITED CD ROM®
.com

Epson COLOR 800

New EPSON Stylus® COLOR 800 makes 1440 dpi Photo Quality color printing a reality. Get ready for a revolutionary breakthrough in ink jet printing for the home or office. Epson is the first and only company to bring you 1440 dpi Photo Quality color ink jet printing with the new EPSON Stylus COLOR 800 printer. That's right-1440 dpi! Plus, the new Epson Stylus printers feature Epson's award-winning technology.

EPSON®



\$399

#60185



\$49



\$44

F/A 18 Hornet: Korea

by Graphic Simulations
 Flight sims enthusiasts rejoice!
 The latest in hardcore realism from the engineers of the award-winning F/A-18 Hornet 3.0. Powerful mission creator/editor.



\$43

#61747



\$43

#57163

The Sequel to Myst! Riven!



\$52

#59079

Power Soap

Kai's Photo Soap offers an intuitive, easy-to-use interface that allows a novice to perform sophisticated image editing functions on family snapshots.



\$45

MetaTools #60699

Fulfilling Your Mac Software Needs

SKU	Item Description	Price	SKU	Item Description	Price	SKU	Item Description	Price
50539	9	\$36	51954	BERLITZ THINK/TALK SPAN ISH	\$17	49116	DESCENT II	\$50
52652	101 DALMATIANS ANIMATED STORY	\$35	52660	BILL NYE THE SCIENCE GUY	\$35	40769	DOOM II	\$14
54278	300 GREAT GAMES FOR MAC	\$14	55915	CAESAR II	\$30	56783	DR BRAIN III JEWEL CASE	\$19
60913	3000 IMAGE FONTS	\$14	49968	CANDY LAND ADVENTURE	\$19	51939	DR BRAIN IV	\$35
44481	3D LANDSCAPE 2.0	\$49	54562	CAPITALISM	\$50	45630	DR SEUSS ABC	\$32
43153	3D ULTRA PINBALL	\$29	56723	CASSANDRA GALLERIES	\$29	59079	DUKE NUKEM 3D	\$45
51908	3D ULTRA PINBALL CREEP NIGHT	\$31	55896	CH F16 FIGHTERSTICK	\$99	47501	ELK MOON MURDER	\$25
46543	A 10 ATTACK VER 1.1	\$27	38253	CH FLIGHTSTICK PRO JOYSTICK	\$69	59297	ENCYCLOPEDIA OF NATURE 2.0	\$33
54910	ABSOLUTE SOLITAIRE	\$20	55894	CH GAMEPAD FOR MAC	\$25	53595	ENCYCLOPEDIA OF SCIENCE 2	\$35
58397	ACHTUNG SPITFIRE	\$39	50627	CHESSMASTER 4000	\$38	44240	EXPERT CD CLIPART COLL 2	\$13
53100	ADAM INSIDE STORY 97	\$33	53327	CIRCLE OF BLOOD	\$34	51553	F/A 18 HORNET BUNDLE	\$55
53881	AFTER DARK 4.0	\$31	61039	CIVILIZATION II	\$45	56798	F/A 18 HORNET V3.0 Save \$16	\$45
44798	AL UNSER JR ARCADE RACING CD	\$19	45552	COMANCHE	\$29	56766	FAMOUS FRIENDS PACK	\$29
41892	ALGE BLASTER 3	\$31	53325	COMMAND AND CONQUER	\$43	54538	FINAL DOOM	\$22
53104	ALGEBRA SMART	\$29	47092	COMPLETE KIDS PACK	\$29	55046	FISHER PRICE RDY FOR SCHOOL	\$31
50512	ALL STAR KIDS PACK	\$29	45846	CONGO	\$35	45853	FONT GARDEN	\$22
53099	ALLEY 19 BOWLING	\$36	60505	CONGRESSIONAL COUNTRY CLUB	\$19	54377	FUN WITH ELECTRONICS	\$35
45189	ALLIED GENERAL	\$19	51310	CRAZY 4 RAGTIME	\$22	54559	GAMES OF FAME VOL 1 & 2	\$42
55973	AMAZING INVENTIONS VOL 1	\$29	57940	CREATURES	\$37	53564	GOLDEN GATE	\$36
59499	AMAZON JOURN II JEWEL CASE	\$9	51872	CROSSWORD WIZARD 2.0	\$19	55213	GRAVIS BLACKHAWK JOYSTICK	\$49
54379	AMBER TRAIL BEYOND	\$41	54742	CURIOUS GEORGE ABC ADV	\$23	46532	GRAVIS FIREBIRD FCS/WCS	\$59
52748	AMERICAN SIGN LANG 2.0	\$49	54744	CURIOUS GEORGE EARLY LEARNINGS	\$24	28322	GRAVIS MAC GAMEPAD	\$25
45476	ANSEL ADAMS SCREENSAVER	\$22	55624	DAMAGE INCORPORATED	\$29	60529	GRE GMAT LSAT HIGHER SCORE	\$29
58348	APACHE & CAPITALISM BUNDLE	\$65	43394	DARK FORCES	\$29	56916	GRYPHON BRICKS	\$34
54374	BATMAN CARTOON MAKER	\$19	49750	DARKSEED II	\$44	55832	GUITAR METHOD EMEDIA	\$57
54046	BATMAN PARTNERS IN PERIL CD	\$9	38846	DELUXE CASINO PAK	\$37	52523	GUS GOES TO CYBEROPOLIS	\$9
			56320	DERRAT SORCERUM	\$29	53029	HANDWRITING FONTS	\$12
						45856	HAVOC	\$25
						45854	HAVOC	\$43
						57592	HERCULES ANIM STORYBOOK	\$39
						58630	HEROES OF MIGHT & MAGIC 2	\$39
						44753	HEROES OF MIGHT & MAGIC	\$19
						49182	HEXEN	\$14
						54540	HEXEN DEATHKINGS	\$14
						56670	HEY HEY WERE THE MONKEES	\$17
						57605	HISTORY OF MUSIC	\$28
						57304	HISTORY THRU ART 20TH CENTURY	\$11
						52648	HUNCHBACK ANIM STORYBOOK CDS	\$21
						50632	IMPERIALISM	\$38
						51853	INDY CAR RACING II	\$49
						53108	INFOCOM MASTERPIECES CLASS	\$19
						60463	INSIDE SAT/ACT 98 ED DLX	\$28
						53103	INSIDE THE SAT & ACT 97	\$28
						59305	INTERNET PHONE MAC 3.0	\$45
						59307	INTERNET VOICE MAIL	\$27
						50368	JUMPSTART FIRST GRADE	\$32
						44775	JUMPSTART KINDERGARTEN	\$32
						44776	JUMPSTART PRESCHOOL	\$31
						50851	JUMPSTART SECOND GRADE	\$32
						54426	JUMPSTART THIRD GRADE	\$31
						43005	JUST ME AND MY DAD	\$18
						51306	JUST ME AND MY MOM	\$19
						58568	KENSINGTON ORBIT TRACKBALL	\$55
						49002	KEY FONTS PRO 3003	\$26

GET ADDICTED TO UNITED CD-ROM TODAY!

Business Hours: Mon-Fri 8am-10pm; Sat 8am-5pm; Sun 12pm-5pm.

Mail Orders to: 800 United CD ROM Drive, Urbana, IL 61802

* While supplies last. Shipping charges apply to free offers.

**Orders received as late as 9:30 pm (CST) for 2nd day air.

Call for other deadline times.

Special offers, item availability and prices may vary according to format and are subject to change without notice. All prices in U.S. dollars. Not responsible for inadvertent errors.

Thousands of Mac Titles In Stock Daily!

Let United Be Your Elves!



CALL US NOW
FOR A **FREE** CATALOG!
1-800-864-8334



Sportster 56k Mac

by US Robotics

U.S. Robotics is pleased to announce an expansion of the Sportster product line to include their x2 56K technology. These new products have x2 technology already built in to give you maximum speed for minimum effort. If you are ready for speeds almost double the current standard, x2 is the right choice, right now.



*After \$50 Manufacturer's Mail-In Rebate!

#57373

\$169

Check Point

by TDC Games

A brain teasing road rally run on a game board and the information superhighway. Written by skilled rally masters with decades of experience. Start your imaginary engines! Prepare to match wits with your fellow players!



#62108

\$25

9 Big Ones!

by Starplay Productions

9 outstanding Mac games. Each one voted Best Game of the Year in its category. Full versions. Includes Warcraft, Marathon, A-10 Attack, PegLeg, Crystal Caliburn Pinball, Glider Pro, Loony Labyrinth Pinball, FA/18 Hornet Classic, and more.



#61881

\$39

One Million Recipes

by Nutridata

The only cookbook you'll ever need! Over 1 Million recipes from the favorite recipes of over 200,000 cooks. Fast, easy and powerful. Very simple to use and understand. A must for the expert and novice cook.



#60718

\$19

Scan Ace II

The high quality, single-pass, 30-bit color 600 dpi flatbed scanner! With 600x1200 dpi optical resolution. 1 BILLION colors. enhanced cyberview software included. TWAIN compatible. Operates on a single cold cathode fluorescent lamp. SCSI-II Interface for ultrafast transfers from scanner to computer. Perfect for the Desktop publishing and web designers alike!



#65176

\$335

Largest Selection of Mac Stuff Anywhere!

46387 KEY MEGA CLIPART 15000.....\$24	54702 MS ENCARTA 97 DLX.....\$70	55815 ROMEO & JULIET INTERACTIVE.....\$17	54422 TIE FIGHTER COLLECTORS.....\$29
51564 KID PIX STUDIO.....\$29	49083 MUPPET TREASURE ISLAND.....\$30	54122 SACRED MIRROR OF KOFUN.....\$26	52646 TIMON & PUMBA JUNGLE GAMES.....\$33
50674 LETS PRETEND VOL 5.....\$15	51829 MURDER SHE WROTE MYSTERY.....\$25	54440 SCHOOLHOUSE ROCK GRAMMAR.....\$19	58923 TITANIC ADV OUT OF TIME.....\$45
58457 LIGHTHOUSE.....\$30	57002 MY VERY FIRST SOFTWARE.....\$27	50979 SCHOOLHOUSE ROCK MATH.....\$19	49972 TONKA CONSTRUCTION.....\$19
55632 LINKS 5 COURSE LIBRARY #1.....\$20	55612 NASCAR RACING.....\$30	54433 SCIENCE BLASTER JR.....\$31	41159 TOP TEN MAC PAK.....\$29
55633 LINKS 5 COURSE LIBRARY #2.....\$20	55592 NIGHT TO REMEMBER.....\$20	56854 SCORE BUILDER FOR SAT/ACT.....\$40	52653 TOY STORY ACTIVITY CENTER.....\$33
60322 LINKS LS.....\$47	50361 OBSIDIAN.....\$37	52360 SCRABBLE.....\$29	49268 TOY STORY ANIMATED STORY.....\$32
57394 LINKS LS VALDERAMMA.....\$19	49936 OCEAN LIFE 5 CARIBBEAN.....\$29	58999 SHANGHAI DOUBLE PACK.....\$29	48445 TYPECASE 2001.....\$21
57392 LINKS LS VALHALLA COURSE.....\$19	54335 OREGON TRAIL II.....\$49	47785 SHANGHAI GREAT MOMENTS.....\$27	47006 ULTIMATE DOOM.....\$14
44575 LINKS PRO CD.....\$19	57825 ORION BURGER.....\$39	51111 SIM CITY 2000 SPECIAL ED.....\$49	54949 UNDER A KILLING MOON.....\$23
60623 LOGICAL JOURNEY ZMBNS DLX.....\$33	52877 ONLY DRAW ME A STORY.....\$34	55374 SIM FARM CLASSIC.....\$11	49179 VIKINGS Save \$5.....\$36
57569 LUCASARTS ARCHIVES VOL 2.....\$49	36571 OUT OF THE SUN.....\$20	42355 SIM TOWER.....\$30	48090 VIRTUAL POOL.....\$42
49809 LUCASARTS ARCHIVES VOL 1.....\$33	45639 OUTPOST.....\$28	50519 SIMPSON'S CARTOON STUDIO.....\$35	54024 WALT DISNEY WORLD EXPLORER.....\$35
51559 MARATHON INFINITY.....\$27	49516 OVER THE REICH.....\$39	43804 SOLITAIRE ANTICS.....\$17	46209 WARCAFT.....\$10
59199 MARATHON TRILOGY BOX SET.....\$45	52794 OZZIE EXPLORES/FOREST.....\$9	53902 SOUND TOYS.....\$14	54563 WARCAFT BATTLECHEST.....\$49
59331 MATH BLASTER ADV SERIES.....\$49	54202 PANZER GENERAL W/GUIDE.....\$20	50358 SPACE BAR.....\$38	53591 WAY THINGS WORK 2.....\$35
40261 MATH BLASTER SPOT EPIS 1.....\$31	44793 PASSION FOR ART.....\$34	49591 SPYCRAFT.....\$30	53693 WEREWOLF VS COMANCHE.....\$56
46071 MATH MUNCHERS DELUXE.....\$24	35733 PHANTASMAGORIA.....\$30	54234 STAR TREK BORG.....\$41	60455 WHEEL FORTUNE/JEOPARDY BDL.....\$19
59104 MATH RABBIT CLASSIC.....\$14	55623 PRIME TARGET.....\$19	44710 STAR TREK TNG FINAL UNITY.....\$10	61497 WHEEL OF FORTUNE.....\$11
54520 MAVIS TEACHES TYPING V5.0.....\$41	45631 PRINCE OF PERSIA CD COL.....\$19	47319 STAR WARS TRILOGY.....\$29	57581 WINNIE POOH READY TO READ.....\$35
52466 MECHWARRIOR 2.....\$30	59078 QUAKE.....\$49	53096 STARPLAY GAMES OF FAME 3.....\$39	43393 X WING COLLECTORS.....\$27
52358 MONOPOLY.....\$29	56731 QUAKE TOOLKIT V2.0.....\$11	48771 STRATEGY GAMES OF WORLD.....\$23	41936 YELLOW BRICK ROAD.....\$11
46067 MONTY PYTHON COMP WASTE.....\$22	57166 RAMA.....\$29	51607 STREET ATLAS USA 3.0.....\$42	58401 YOU DONT KNOW JACK MOVIES.....\$29
54086 MONTY PYTHON/HOLY GRAIL.....\$29	59105 READER RABBIT 1 CLASSIC.....\$14	58758 SUPRAEXPRESS 56E EXT MODEM.....\$154	53879 YOU DONT KNOW JACK SPORT.....\$19
15770 MOUSESTICK II JOYSTICK.....\$33	34562 REBEL ASSAULT.....\$24	54357 SYN FACTOR.....\$34	53873 YOU DONT KNOW JACK VOL 2.....\$19
54704 MS CINEMANIA 97.....\$33	45465 REBEL ASSAULT II.....\$24	54912 TERMINAL VELOCITY.....\$5	60061 YOU DONT KNOW JACK VOL1.....\$19
54877 MS CLOSE COMBAT.....\$41	48081 RED SHIFT II.....\$35	48712 THINKING THINGS COLL II.....\$34	53871 YOU DONT KNOW JACK XXL.....\$39

CompuServe: 76043,1605
America On-Line: UNITEDCD
Int'l orders 1-217-337-8532

Fax back 1-217-352-8123
Fax orders 1-217-337-8531

<http://www.unitedcdrom.com>

Say You Love A12!

The Mac Guy Behind This Will Love You For It! Exclusively Done On Macs!



CALL THE MAC EXPERTS!

Save hundreds of dollars on these specially priced fully configured systems, or simply call one of our experts for your own custom configuration, usually with same day delivery! Only PowerMax will give you a frank, thorough comparison of each of the major Macintosh system manufacturers based on your individual needs!

**BEST
BUYS**

**COMPLETE
GRAPHICS
SOLUTIONS**

**UPGRADE-
ABLE
SYSTEMS**

**POWER
HOUSE
PACKAGES**

Package 628812



Factory Refurbished Performa 6220: 75 MHz w/24 Mb RAM, 1 gig drive, TV capture card, modem, 15" color display, commercial surge protector. Only **\$1088**, or just **\$43 per month!**

Package 636512



Factory Refurbished Performa 6360: 160 MHz w/24 Mb RAM 1.2 Gig drive, commercial surge protector, 3 game CD set w/Descent, Blackthorn & more! Only **\$1188** or just **\$48 per month!**

Package 632112



Factory Refurbished Performa 6320: 120 MHz w/24 Mb RAM, 1 gig drive, TV capture card, 28.8 modem, 15" color display, commercial surge protector. Only **\$1288**, or just **\$52 per month!**

**Only while
supplies
last!**

Package SM5212



SuperMac C500LT: 200 MHz w/32 Mb RAM, 2 gig drive, 17" Trinitron display, Astra 600S scanner w/PhotoDeluxe & Photoshop 2.5LE, commercial surge protector. Only **\$1899**, or just **\$76 per month!**

Package 655112



PowerMac 6500: 250 MHz w/32 Mb RAM, 4 Gig drive, 24x CD, 17" Trinitron display, Astra 600S scanner w/PhotoDeluxe & Photoshop 2.5LE, commercial surge protector, **\$2849**, or just **\$115 per month!**

Package SM6412



SuperMac C600LT: 240 MHz w/32 Mb RAM, 2 gig drive, 17" Trinitron display, Astra 600S scanner w/PhotoDeluxe & Photoshop 2.5LE, commercial surge protector. Only **\$2249**, or just **\$90 per month!**

Package 732012



PowerMac 7300/200 with 48 Mb Ram, 2 gig drive, 12x CD-rom, 15" PowerMax Trinitron monitor, commercial surge protector. Only **\$2699**, or just **\$109 per month!**

Package S92312



SuperMac S900/233 with 96* Mb Ram, 4 gig drive, 12x CD-rom, int. Zip drive, 17" PowerMax Trinitron monitor, 8 Mb video card, commercial surge protector. Only **\$3688**, or just **\$141 per month!**

Package J71812



SuperMac J700/180 with 40 Mb Ram, 2 gig drive, 12x CD-rom, 17" PowerMax Trinitron monitor, 33.6 modem, commercial surge protector. Only **\$2499**, or just **\$100 per month!**

Package 963512



PowerMac 9600/350 with 96 Mb Ram, 4 gig drive, 24x CD-rom, internal Zip drive, 17" PowerMax Trinitron monitor, commercial surge protector. Only **\$5999**, or just **\$215 per month!**

Package 863012



PowerMac 8600/300 with 48 Mb Ram, 4 gig drive, 24x CD-rom, int. Zip drive, 17" PowerMax Trinitron monitor, commercial surge protector. Only **\$4349**, or just **\$166 per month!**

Package S92312



SuperMac S900/233 with 128* Mb Ram, 4 gig drive, 12x CD-rom, int. Zip drive, 17" PowerMax Trinitron monitor, 8 Mb video card, commercial surge protector. Only **\$4299**, or just **\$164 per month!**

**Get a
\$1000
rebate on
350 MHz
upgrade!**



Each system ships with over 200 megabytes of FREE software!



*32 Mb direct from Umax through 11/15/97

• **Minimum Configurations- start with the basics and customize your Mac any way you want!** •

Ask about our complete Apple PowerPC systems with monitor for under \$900!

Apple

Performa 4400/200 16/1 Gig/8x.....**\$1249**
Performa 4400/200 32/2 Gig/8x Small Biz.....**\$1579**
PowerMac 6500/225 32/3000/Zip/33.6 Mod.....**\$1549**
PowerMac 6500/250 32/4000/24x/Zip/Mod.....**\$1977**
PowerMac 6500/250 48/4000/12x/Zip/Mod.....**\$2076**
PowerMac 6500/275 32/4000/12x/Zip.....**\$2399**
PowerMac 6500/300 64/4000/12x/Modem.....**\$2399**
PowerMac 6500/275 32/6000/24x/Zip.....**\$2469**
PowerMac 6500/275 48/6000/24x/Zip.....**\$2769**

PowerMac 6500/300 64/6000/24x/Zip.....**\$2969**
Customizable Mac Systems
PowerMac 7300/180 16 Ram/12x/KB.....**\$1699**
PowerMac 7300/200 16 Ram/12x/KB.....**\$1949**
PowerMac 8600/200 32 Ram/12x/Zip/KB.....**\$2439**
PowerMac 8600/250 32 Ram/24x/0 Zip/KB.....**\$2549**
PowerMac 8600/250 32 Ram/24x/Zip/KB.....**\$2669**
PowerMac 7300/180 Pentium System.....**\$2988**
PowerMac 8600/300 32 Ram/24x/0 Zip/KB.....**\$3149**
PowerMac 9600/233 32 Ram/12x/KB.....**\$2869**
PowerMac 9600/200MP 32 Ram/12x/KB.....**\$3499**
PowerMac 9600/300 64 Ram/24x/KB/0 Zip.....**\$3669**
PowerMac 9600/300 64 Ram/24x/KB/Zip.....**\$3819**

PowerMac 9600/350 64 Ram/24x/KB/0 Zip.....**\$4699**
We stock all 1400's, 2400's & 3400's at super low prices!
Umax SuperMac Compatibles
SuperMac C500/200 16/2 Gig/CD/ "Lite".....**\$995**
SuperMac C500/200 16/2 Gig/CD/33.6 Mod.....**\$1095**
SuperMac C600/200 16/2 Gig/CD/33.6 Mod.....**\$1195**
SuperMac C600/240 24/2 Gig/CD/33.6 "Lite".....**\$1395**
SuperMac C600x/240 32/3 Gig/12xCD/33.6.....**\$1795**
SuperMac C600x/280 32/4 Gig/12xCD/33.6.....**\$2195**
SuperMac J700 24/2 Gig/12xCD/33.6...**\$On Special!**
SuperMac S900 200 MHz - customize!.....**\$2159**
SuperMac S900 233 MHz - customize!.....**\$2569**
SuperMac S900 250 MHz - customize!.....**\$3069**

POWER MAX

Knowledge is Power

800-441-6977

Local line: (503) 624-1827 • Fax (503) 624-1635
<http://www.powermax.com> • E-Mail: powermax@europa.com

Call for our free catalog!

Prices subject to change without notice. Prices reflect cash discount.
Credit card orders strictly verified for fraudulent use. With use of credit card as payment
customer acknowledges that some products are subject to final sale.
Not responsible for typographical errors.



We accept
educational
and corporate
purchase
orders, and are
experts in
financing for
virtually any
size business!



PowerMax Trinitron™ Monitors

PowerMax Trinitron™ monitors are designed specifically for the rigorous demands of the Macintosh. They ship complete with Mac-ready cables and adapters, a three year warranty, and our satisfaction guarantee: if the monitor is not just right, we'll replace it for you!

Model PM15T	25 mm dot pitch- up to 1280x1024	\$359
Model PM17T	25 mm dot pitch- up to 1280x1024	\$649
Model PM17TE+	25 mm dot pitch- up to 1600x1280	\$849
Model PM20T	30 mm dot pitch- up to 1600x1280	\$1449
Model PM20T+	W/ 25 mm dot pitch!	\$1699

MacUser Lab Reviews: "Not only do the PowerMax monitors display good-looking images, but (they) are affordably priced!"
 "Nice price, nice image quality, nice controls - nice monitor!"
 "Four Mice! A PowerMax Power Play!"

PowerMax External Hard Drives and Arrays



Our external hard drives come with a 30 day money back guarantee!*

We customize high-end arrays for video and graphics production!

We use only the best components from quality manufacturers such as:

- Adaptec
- Atto
- FWB
- Micronet
- Optima

12X External CD Rom	\$149
24X External CD Rom	\$179
2x6 CD Recorder w/Toast Software	\$399
4x6 CD Recorder w/Toast Software	\$569
External 1.0 Gig Seagate 5400 RPM	\$279
External 2.0 Gig Quantum 5400 RPM	\$329
External 3.2 Gig Quantum 5400 RPM	\$389
External 4.3 Gig Micropolis 5400 RPM	\$429
External 6.4 Gig Quantum 5400 RPM	\$549
External 4.5 Gig Quantum 7200 RPM	\$649
External 4.5 Gig Seagate 10000 RPM	\$839
External 8.7 Gig Micropolis 7200 RPM	\$899
External 9.1 Gig Seagate 10000 RPM	\$1349
External 23.2 Gig Seagate 5400 RPM	\$2269

We stock all fast/wide and ultra/wide internals!

Only the best Macintosh

Modems	
Best Data 33.6 Fax/Modem	\$76.28
Best Data 56K Fax/Modem	\$132.81
Boca Research 33.6 Fax/Modem	\$112.60
Global Village Teleport 56K Flex	\$149.99
Global Village Teleport 56K X2	\$149.99
Global Village PCMCIA 56K for Pwbks	\$256.13
Hayes MC336MTII 33.6 Fax/Modem	\$112.65
Hayes Accura 28.8 Fax/Modem	\$65.99
Hayes MC336MTII 33.6 Fax/Modem	\$112.65
SupraExpress 33.6 Fax/Modem	\$87.17
SupraExpress 56E Fax/Modem	\$130.43
US Robotics Sportster 56K Fax/Modem	\$203.68
Zoom 33.6 Fax/Modem	\$96.86
Zoom 56K Flex Fax/Modem	\$150.07

Printers	
Alps MD2010 Micro Dry	\$294.07
Alps MasterPiece Color Printer	\$651.79
Apple Portable StyleWriter 2200	\$349.89
Apple Color StyleWriter 4100	\$239.89
Apple Color StyleWriter 4500	\$342.92
Apple Color StyleWriter 6500	\$475.47
Apple LaserWriter 4/600	\$857.43
Apple Color LaserWriter 12/660 PS	\$599.99
DataProducts Typhoon 8 w/enet	\$4197.15
DataProducts Typhoon 30 Laser	\$17680.01
Epson Color Stylus 600	\$301.18
Epson Color Stylus 800	\$388.88
Epson Color Stylus Photo	\$458.92
Epson Color Stylus 3000	\$Call
Fargo PhotoFun	\$447.71
GCC Elite 1208	\$3999.99
Hewlett Packard LaserJet 6MP	\$888.88
QMS Hammerhead 2060BX	\$2291.42
Xante Accel-A-Writer 8300/600	\$2349.95

Wacom Tablets	
ArtPad II 4x5 w/erasing Ultra Pen	\$139
ArtPad II 4x5 w/erasing Ultra Pen&Dabblr	\$159
ArtZ II 6x8 w/erasing Ultra Pen	\$309
ArtZ II 6x8 w/erasing Ultra Pen & Express	\$369
ArtZ II 12x12 w/erasing Ultra Pen	\$439
ArtZ II 12x12 w/erasing Ultra Pen & Express	\$489
ArtZ II 12x18 w/erasing Ultra Pen	\$699

We carry all Wacom Accessories, Pens and Tablets! You won't find anyone who knows more about

peripherals and software

Monitors	
Apple Multiple Scan 15AV	\$399.99
Apple Multiscan 1705	\$639.75
Apple Multiscan 1710	\$768.81
AppleVision 850	\$On special
AppleVision 850 AV	\$On special
CTX XA1451 14" 28mm	\$189.72
CTX VL500 15" 28mm	\$260.87
CTX MS600 17" 39mm	\$415.31
CTX EX800 20" 28mm	\$910.28
Hitachi SuperScan MC600 17" 28mm	\$602.99
Hitachi SuperScan MC6315 17" 22mm	\$635.94
Hitachi SuperScan MC751 19" 22mm	\$1091.55
Hitachi SuperScan CM2011 20" 28mm	\$1321.60
Hitachi SuperScan MC801HR 21" 22	\$1941.73
LaCie Electron 19" 22mm	\$1044.99
Mag Innovation 410V2 14" 28mm	\$204.82
Mag Innovation 510V2 15" 28mm	\$284.46
Mag Innovation DX15T-M 15" Trinitron	\$326.54
Mag Innovation DX700T-M 17" Trin	\$636.05
Mag Innovation DXJ-920 21" 28mm	\$1534.96
Mitsubishi Diamond Scan 15VX 28mm	\$381.18
Mitsubishi Diamond Pro 67TXV 25mm	\$670.19
Mitsubishi Diam. Pro 91TXM 28mm	\$1478.06
Mitsubishi Megaview 33 Mult 83mm	\$3584.23
Mitsubishi Megaview Pro 42 96mm	\$8918.47
NEC XV15+ 28mm	\$377.76
NEC XV17+ 28mm	\$675.88
NEC M700 Spkrs 25mm	\$772.60
NEC P750 1600x1200 75Hz 25mm	\$869.32
NEC E1100 21" 28mm	\$1389.29
NEC Multisync XP37 Plus	\$7908.06
Nanao FlexScan FX-B5 15" 28mm	\$512.03
Nanao FlexScan FX-C5 17" 28mm	\$733.47
Nanao FlexScan TX-C7 17" 25mm	\$859.08
Nanao FlexScan TX-D7S 20" 25mm	\$1651.87
Nanao FlexScan FX-E7 21" 28mm	\$1705.63
Philips Magnavox 105S 15" 28mm	\$294.70
Philips Magnavox Brill. 105 15" 28mm	\$340.93
Philips Magnavox 17" 28mm	\$455.84
Philips Magnavox 201B 21" 27mm	\$1397.42
Radius Pressview 17SR 17" 25mm	\$1591.85
Radius PrecisionView 21 30mm	\$1649.88
Radius Pressview 21SR 21" 25mm	\$3160.71
Sony 100SX 15" 25mm	\$337.95
Sony 100SF 15" 25mm	\$380.04

AND WE HAVE SO MUCH MORE!

with prices and expertise

Scanners	
Agfa Snapscan 300 w/Omnipage LE	\$219.99
Agfa StudioStar w/PhotoShop LE	\$695.94
Agfa Arcus II w/transparency adapter	\$1287.10
Epson 3006S Grey Scale Sheetfeed	\$69.80
Epson ActionScanning System II	\$275.10
Epson ES-1000C scanner	\$483.57
Epson Expression 636 Executive	\$769.14
Epson Expression 636 Artist	\$962.00
Epson Expression 636 Professional	\$1333.11
Hewlett Packard Scanjet 5P	\$293.01
Hewlett Packard Scanjet 4C	\$689.67
LinoColor Jade	\$469.48
LinoColor Saphir	\$1713.83
LinoColor Opal	\$5521.05
LinoColor Opal Ultra	\$7361.40
Microtek ScanMaker V300	\$141.11
Microtek ScanMaker E3	\$149.73
Microtek ScanMaker E6	\$283.40
Microtek ScanMaker E6 Pro	\$508.77
Nikon AX-210 Scantouch	\$469.53
Nikon AX-1200 Scantouch	\$731.23
Nikon LS-20E Coolscan II Slide	\$849.07
Nikon LS-1000 SuperCoolscan Slide	\$1681.16
Polaroid Sprintscan 35 LE Slide	\$777.27
Polaroid Sprintscan 35 ES Slide	\$1436.62
Umax Vista S-12 w/Photo Del 33 bit	\$349.99
Verbatim S600C Scanner w/Xerox	\$226.54
Digital Cameras	
Agfa EPhoto 307	\$283.40
Apple QuickTake 200	\$599.99
Epson PhotoPC	\$339.20
Epson PhotoPC 500 w/flash	\$456.57
Epson PhotoPC 600- New!	\$Call
Kodak DC 20	\$179.06
Kodak DC 120	\$795.29
Nikon CoolPix 300	\$666.09
Polaroid PDC-2000/40	\$2760.52
Digital Video Cards	
We sell Radius, MiRo, Targa and Media 100- Call one of our video experts for the latest information & hottest prices on this cutting edge technology!	
Iomega Storage	
External Zip Drive w/cart	\$148.95
External Zip Drive Plus	\$188.95
External Jaz Drive w/cart	\$348.95

we promise you'll love!

ASK FOR FREE FREIGHT ON SOFTWARE! If its on this list- you know its hot!

Adobe Type Reunion 2.0	\$41.75
Quicken 7.0 for Mac	\$42.34
Spring Cleaning 1.0	\$44.15
Kali's Power Goo 1.0	\$44.15
Claris Emailer 2.0	\$45.08
Marathon Trilogy Box Set	\$46.26
Adobe Type on Call 4.2	\$47.71
Claris MacWrite Pro 1.5	\$48.21
Microsoft Excel 4.0	\$49.99
QuickMail Pro for Mac	\$53.55
DiskDoubler 4.0 for Mac	\$53.99
Speed Doubler 2.0	\$56.20
Netscape Communicator Pro 4.0	\$62.58
Net Doubler 1.2	\$63.83
Virex 5.7	\$65.23
Debabelizer Lite/Jag II	\$67.03
Suitcase 3.0	\$69.45
Stuffit Deluxe 4.0	\$72.43
DiskFit Pro 1.1	\$72.76
MYOB Accounting 7.0	\$75.48
Quickkeys 3.5.2	\$89.04
Poser 2.0	\$126.86
Adobe TextureMaker 1.0	\$132.10
Adobe Streamline 4.0	\$132.10
Virtual PC w/Windows 95	\$144.55
Quickbooks Pro 4.0	\$187.73
Claris FileMaker Pro 3.0	\$187.43
Adobe Persuasion 3.0- last one!	\$199.91
Eudora Pro 3.1- 5 User	\$212.85
Painter 5.0	\$268.40
MathCad Plus Professional 6.0	\$276.66
Live Picture 2.6	\$299.99
Microsoft Word 6.01	\$313.18
Microsoft Excel 5.0	\$313.18
Fontographer 4.1	\$326.72
Macromedia Extreme 3D	\$379.42
Canvas 5	\$388.25
Adobe PageMaker 6.5	\$419.95
Adobe PhotoShop 4.0	\$419.95
Adobe Premiere 4.2	\$449.98
Freehand Graphic Studio 7	\$469.07
MetaTools Infini-d 4.0	\$502.03
Minicad 7.0	\$519.83
QuickMail Pro 1.5 100 User	\$2351.06

Why Buy From PowerMax?

- Most orders ship within 24 hours- even customized systems
- We speak plain English- no technotalk or high pressure sales tactics
- Your system is shipped only after the personal approval of your system designer
- We offer flexible terms, and are experts on easy leasing
- We don't use voice mail- even with our expert tech support department
- We consult with you, we want to make sure what you buy is what you need

800-613-2072

Local line: (503) 624-1827 • Fax (503) 624-1635

http://www.powermax.com • E-Mail: powermax@europa.com

800-689-3933

Service (310) 479-0999

Fax (310) 312-9041



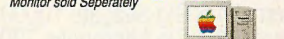
computer center

Macintosh PowerMac's



9600/350 64/4G/24x/CD/Zip	9600/233 32/4G/12x/CD	9600/200 32/4G/12x/CD	9600/200MP 32/4G/12x/CD	9600/150 16/2G/4x/CD	8600/300 64/4G/24x/CD/Zip	8600/200 32/2G/CD	8600/200 64/4G/CD	8500/180 32/2G/8x/CD	8500/150 16/2G/CD	7600/132 16/1.2G/CD	7300/200 32/2G/CD/KBD	7300/180 16/2G/12x/CD/KBD	7300/180 32/2G/8x/DOCS Compatible P166	7200/120 16/1.2G/4x/CD/DOS	7200/120 16/1.2G/CD	7200/90 8/500x/CD	6100/66 16/500x/CD/DOS	4400/200 16/2G/8x/CD/KBD	4400/200 16/2G/12x/MS office	6500/225 32/3G/12x/CD/Zip	6500/250 32/4G/12x/CD/Zip	6500/250 48/4G/12x/CD/Zip	6500/275 32/4G/CD/MDM	6500/300 64/4G/CD/Zip
CALL.	2699.	2399.	3099.	1599.	2699.	2399.	2399.	2099.	1699.	1399.	1799.	1599.	2399.	1299.	1099.	749.	849.	1249.	1449.	1399.	1699.	1899.	2199.	2199.

Macintosh Workgroup Servers



9650/233 64/4G/12x/Apple Share	9650/233 48/4G/12x/Internet Ready	9650/233 48/4G/12x/2GB Dat. Drv.	8550/200 32/2G/CD/Apple Share	8550/200 32/2G/CD/Apple Share/Dat	7350/180 48/4G/12x/Apple Share	7350/180 48/4G/12x/Internet Ready	7350/180 48/4G/12x	7350/180 16/1.2G/CD/Networking
5499.	4799.	5299.	3999.	4799.	2899.	2699.	2249.	1299.

Macintosh PowerMac
9600/300
64/4GB/24X/Zip Drive
\$3299



StarMax 5000/225 S 32/2.5G/16x/512K	StarMax 5000/250 S 32/2.5G/16x/512K	StarMax 5000/275 S 32/4.3G/16x/512K/10BT	StarMax 5500/200 64/4.3G/16x/512K/10/100BT	StarMax 6000/233 32/2G/24x/512K/10BT	StarMax 6000/266 32/2G/24x/512K/10BT
1799.	2099.	2449.	2659.	3499.	4099.



S900/DP 250MHz 64/4G RAID/8x/VR/Zip/10BT	S900/233MHz 32/2G/8x/VR	S900/250MHz 32/2G/8x/VR/Zip/10BT	S900/200MHz 32/2G/8x/VR	J700/180MHz 24/2G/8x/VR/Net 33.6	C500L/170MHz 16/1G/8x/VR	C600/240MHz 24/2G/8x/VR	C600X/280MHz 32/2G/12x/VR/10BT/33.6
5899.	2599.	3199.	2199.	1599.	899.	1299.	2099.

Scanners

Agfa Arcus II	Agfa StudioStar w/ Full Photoshop	Agfa StudioScan IISI w/E Photo	Agfa SnapScan 30i	Umax Astra 600S w/Photo Dix.	Umax Astra 1200S w/Photo Dix.	Umax Power Look II w/ Photo Full	Umax Powerlook 2000	Umax Mirage w/Trans. Adapter	Microtek Scannermaker V300	Microtek Scannermaker IISI Full Photo/Tra. Ada.	Microtek Scannermaker E6Pro 30 Bit	Microtek Scannermaker E6 30 Bit	Microtek Scannermaker E3	Microtek Scannermaker 35T+	Nikon CoolScan LS-20i	Nikon CoolScan LS-20e	Nikon Scantouch AX-10	Nikon Scantouch AX-210	Nikon Scantouch AX-1200	Nikon Super CoolScan LS-1000	Epson Expression 636 Pro	Epson Expression 636 Artist	Epson Expression 636 Executive	Epson 1200C w/Scanastic
879.	599.	299.	249.	469.	1299.	3699.	3699.	199.	199.	549.	329.	199.	729.	749.	879.	319.	499.	749.	1699.	1349.	779.	779.	779.	999.

Monitors

RASTEROPS HITACHI
3 year warranty

Mc 620 17" 28dp Mac	539.
Mc 6315 17" 22dp Mac	679.
Mc 7515 19" 22dp Mac	1039.
Mc 20" 28dp Mac	1199.
Mc 801 21" 22dp Mac	1539.
Mc 801HR 21" 22dp Mac	1749.

SONY

Sony 100SF	349.	ArtZ 4x5	139.
Sony 200SF	649.	ArtZ 8x8	289.
Sony 200SX 17"	599.	ArtZ 12x12	389.
Sony 300SF 20"	1299.	ArtZ 12x18	599.

Monitors

NEC

Multisync M700 17" 25mm	679.
Multisync E1100 21" 28mm	1349.
Multisync P750 17" 25mm	799.
Multisync C500 15" 28mm	299.
Multisync M500 15" 25mm	349.
Multisync P1150 21" 25mm	1499.
Multisync XV17+ 17" 28mm	599.

radius

Precision View 21"	1579.
Presview 17" SR	2799.
Presview 17" SR	1599.
Thunder 30/1600	549.
Thunder Power 30/1920	899.
Thunder TX 1152	1049.
Thunder 3D	1699.

ViewSonic

15G5 15" 1280X1024 .27dp	369.
15G5 15" 1024X768 w/spkrs .27dp	389.
17EA 17" 1280X1024 w/spkrs .28dp	539.
17GA 17" 1024X768 .27dp	599.
17PS 17" 1600X1280 60Hz .25dp	689.
G800 20" 1600X1280 .28dp	1099.
P815	1499.
P810 20" 1600X1200 .30dp	1179.
PT810 21" 1600X1280 71Hz .25dp	1399.
PT813 21" 1280X1024 .28dp 100Hz	1499.

Apple MAGNAVOX

Magnavox 20"	899.
Apple 14"	279.
Apple 15"	299.
Apple 15"av	349.
Applevision 850	1399.
Applevision 850AV	1699.
Apple 1705 17"	599.
Apple 1750 AV 17"	CALL.
Apple 1750 17"	769.
Apple Multiscan 20"	1099.

We carry a Full line of Computer Products, Memory, Modems, Printers, Scanners, Monitors, accessories, CD ROMs, Software, Hard Drives, Name Brand Computer Desktops and Notebooks. For Prices on products not listed on this Ad, Please call our sales hot line.

GE 4 YEAR ON SITE WARRANTY!

ASK YOUR SALES REP REGARDING GE EXTENDED ON SITE WARRANTY

\$100 to \$350	\$351 to \$700	\$701 to \$1200	\$1201 to \$2000	\$2001 to \$3000	\$3001 to \$5000
\$49.95	\$79.95	\$139.95	\$169.95	\$199.95	\$259.95

RASTEROPS

MC7515 19" .22DP
1600X1200 Monitor
\$1039.

WACOM

Now You See It

2MB ATI Video Card	249.
4MB ATI Video Card XClaim	349.
4MB ATI Video Card VR	399.
8MB ATI Video Card	499.

IMS Video

2MB IMS Video Card	199.
4MB IMS Video Card	329.
8MB IMS Video Card	499.

Fax Modems

Global Village Communication

GV 56K Teleport	229.
GV 56K PCMCIA	269.
GV 56K Platinum Pro + Ethernet	379.
GV 19.2 Mercury PB 500 Series	129.
GV 14.4 Gold PCMCIA	99.
GV 14.4 Gold Teleport External	69.
Powerport Platinum 33.6	239.
Teleport 33.6 w/Voice	159.

US Robotics

Sportster 56K	199.
Sportster 56K PCMCIA	259.
Sportster 33.6K	159.

Memory

16MB Dimm PPC	79.
16MB Simm Performa/PC	79.
16MB for PwrBook 1400/3400	129.
24MB for PwrBook 1400	169.
32MB Dimm PPC	149.
32MB Simm Performa/PC	149.
32MB for PwrBook 1400/3400	199.
64MB Dimm PPC	269.
64MB for PwrBook 3400	479.
128MB Simm PPC	849.

Newer Technology

MAXpowr 180MHz 604e	479.
MAXpowr 200MHz 604e	599.
MAXpowr 225MHz 604e	749.
MAXpowr 360MHz 604e 180x2	949.
MAXpowr 400MHz 604e 200x2	999.
MAXpowr 450MHz 604e 225x2	1099.
NUpowr 1400 183MHz 603ev 128K12 Cache	599.
NUpowr PB 500 183MHz 603ev 128K12	799.
NUpowr PB1400 16bit video card	249.
SCSI Micro Dock	145.
Ethernet Micro Dock	199.
PC Card Video In/Capture	299.

2200 Portable APPLE COLOR Printer

\$279

lomega

Jaz Drive Internal SCSI	299.
Jaz Drive External SCSI	369.
Zip Drive Internal SCSI	149.
Zip Drive External SCSI	149.
3 Pack Jaz Cartridges	240.
10 Pack Zip Cartridges	130.
Single Cartridges for Jaz	89.
Single Cartridge for Zip	13.

Powerbook Hard Drives

Upgrade your Laptop to 2.1GB of harddisk space. Drives come with installation Software & software bio upgrade. On notebooks that accept non-slim of 17.5mm or higher height drives you can upgrade to 3.5GB of harddisk space. This is excluding all 100 and 500 series Apple Powerbooks. FREE INSTALLATION W/PURCHASE OF ANY NOTEBOOK.

1.4GB Toshiba 1401MAV 12ms	199.
2.1GB Toshiba 2103MAV 12ms	279.
3 GB ID E 12mm 12ms	499.

* Please specify the make & model of your Notebook when making a purchase.

External Hard Drives

IBM Orion 2.1GB SCSI 3.5	289.
IBM Capricorn 4.3GB Ultra SCSI 3.5	349.
IBM Capricorn 4.3GB Wide SCSI 3.5	499.
Quantum Stryte 2.1GB SCSI 3.5	279.
Quantum Stryte 4.3GB SCSI 3.5	379.
Quantum Atlas II 4.5 Ultra Wide SCSI AV 3.5	849.
Quantum Atlas II 4.5 Ultra SCSI AV 3.5	699.
Quantum Atlas II 9.1 Ultra SCSI AV 3.5	1049.
Seagate ST32171N 2.1GB Ultra SCSI 3.5 AV	499.
Seagate ST37121V 2.1GB Ultra SCSI Wide 3.5 AV	549.
Seagate ST34371N 4.3GB Ultra SCSI 3.5 AV	649.
Seagate ST34371V 4.3GB Ultra SCSI Wide 3.5 AV	699.
Seagate ST31917W 9.1GB Ultra SCSI 3.5 AV	999.
Seagate ST31917W 9.1GB Ultra SCSI Wide 3.5 AV	999.

Software

Following Prices valid with purchase of a Computer. The following Software are full Versions.

Microsoft Office 97	299.
Microsoft Word 97	199.
Microsoft Excel 97	199.
Microsoft PowerPoint 97	199.
Macromedia Director	499.
Microsoft Access 97	199.
Adobe Photoshop 4.0	349.
Adobe Pagemaker 6.5	349.
Adobe Illustrator	299.
Macromedia Freehand	299.

Printers

HP DeskJet 340	299.
HP DeskJet 670C/692C	199./299.
HP DeskJet 820C/870CX	279./399.
HP LaserJet 6LXI/6PXi	385./729.
HP LaserJet 6MP/5M	829./1399.
HP LaserJet 5/SN	949./1199.
HP LaserJet 4V/4MV	1699./2399.
HP LaserJet 550/5MX	2299./3399.
HP Color LaserJet 5/SN	3799./4799.
HP OfficeJet 590/1150C Pro	599./939.

EPSON Apple Printers

Epson Stylus Color 800/800	269./369.
Epson Stylus Color 3000	1649.
Apple Laser 360/12640	899./1099.
Apple Laser 4/600	599.
Apple Laser 16/600PS	1099./1399.
Apple Stylewriter 1200	139./199.
Apple Stylewriter 2500	279.
Apple Stylewriter 2500	189./229.
Apple Stylewriter 4400	239.
Apple Stylewriter 4500	339.
Apple Stylewriter 6500	CALL.

INTERNATIONAL ORDERS WELCOME Call for Quantity Pricing! **FedEx** • WE SHIP WORLDWIDE • NEXT DAY SHIPPING • SAME DAY SHIPPING

Visit Us At Our Web Site <http://www.LACC.com>
24Hrs A Day -- On-Line Catalog & Ordering
E-Mail us at: lacc@lacc.com or Call us at (800) 689-3933

All prices subject to change without notice • All Prices reflect cash discount • * reflects Factory refurbished units

FREE Software

Windows 95-compatible.
Now available on Macintosh
and CD-ROM, too!

*FREE software for creating cards, posters and banners—
Welcome to all-NEW Greetings 2.0! It's easy, fun—and FREE!*

Join the hundreds of thousands of satisfied customers who save money—and have fun—creating their cards, posters and banners the fast, easy, FREE way—with Greetings 2.0!

Through this special offer, you can have Greetings 2.0—not for \$39, not for \$29—but FREE! (You pay just \$9.95 shipping charges.)

The very latest in software—FREE!

Greetings 2.0 is NOT a limited, demonstration program that requires you to pay more to get the real thing. No, Greetings 2.0 is a complete, high-performance program.

It's so easy to use. Just select a layout, insert any of the 62 included graphic images, customize your text, and print! That's all it takes to create unique, personal holiday greeting cards, for sale posters, party banners and so much more.

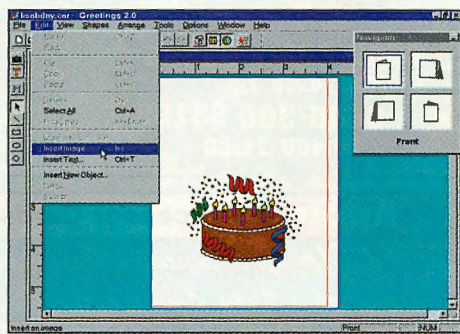
Why is Greetings 2.0 free?

It's simple. We want to welcome you to the Parsons Technology family of software products. And giving you free software is one of the best ways we know.

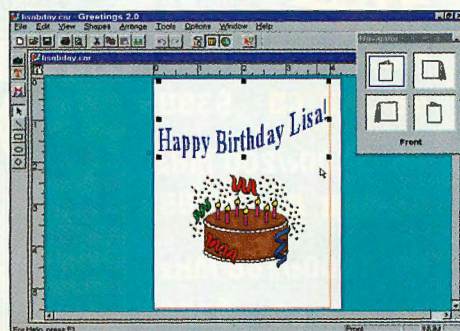
You'll love Greetings 2.0, so we're sure you'll turn to our other software titles for affordable, high-performance solutions in the future!



SYSTEM REQUIREMENTS: Greetings 2.0 for Windows requires an IBM® or compatible PC, 4MB RAM, Microsoft® Windows 3.1, Windows NT 3.5 or later, or Windows 95, and 6MB hard drive space. Mouse required. **Greetings 2.0 for Macintosh** requires System 7.0 or better, 8MB RAM, an 11-inch monitor or larger (Powerbook monitor ok) and 5MB hard drive space. All CD-ROM versions requires a CD-ROM drive. Shipping charges are non-refundable. Copyright © 1997 Parsons Technology, Inc. All rights reserved. Greetings is a trademark of Parsons Technology, Inc. 2968



First, pick your favorite format and graphics.



Then, add text and print—it's simple!

NEW! 62 eye-catching graphics!

NEW! Place as many graphics as you wish on each page!

NEW! Stretch, shrink, copy graphics anywhere in your layout!

NEW! Position and size objects with Zoom, Ruler, Guideline and other user-defined tools!

NEW! Print Preview lets you see your documents just as they'll print!

AND MORE!

For your FREE* copy of
Greetings 2.0, call

1-888-369-7422

Operators are standing by 24 hours a day, 7 days a week. Or fax the attached order form to 1-319-395-7449 or mail it to the address below.

Or order online:

Internet: (<http://www.parsonstech.com>)
America Online®: (keyword PARSONS)

Hurry—this offer is limited to the first 50,000 orders!

☒ **Yes! Send me Greetings 2.0 FREE*!**

*Please add \$9.95 for shipping charges
(\$11.95 for Canadian orders and \$20.95 for all other orders outside North America).
No purchase orders, please. Includes detailed User's Guide and expert technical support.

Name _____

Address _____

City _____

State _____

Zip _____

Daytime Phone () _____

Evening Phone () _____

Disk Size: ☐ 3.5" ☐ CD-ROM (We ship HD 3.5" disks if unmarked.)

Disk Format: ☐ Windows 3.1 ☐ Windows 95 ☐ Macintosh

Payment Method: ☐ Check or Money Order enclosed ☐ Visa ☐ MasterCard
☐ Discover/Novus ☐ American Express

Card # _____ Exp. _____ E-Mail _____ @ _____

☐ Please just send me your
FREE software catalog!

Order online—<http://www.parsonstech.com>



Mac OS



PARSONS TECHNOLOGY
1-888-369-7422

Product Development Center,
One Parsons Drive, Hiawatha, IA 52233



Your Priority Code Is 776607F

MAAd#
1297**Business**
Leasing ByAll Prices Are Based on C.O.D. Order
& Subject to Prior Sales & Change!

* Factory refurbished with Warranty

© Limited Quantity While Supply Last!

COMPU.D**International, Inc.**

6741 Van Nuys Blvd., Van Nuys, CA 91405

Sales (818) 787-3282**Fax (818) 787-5555****e-mail: csales@compu-d.com****1-800-929-9333****www.compu-d.com****FedEx** **DHL****Fast Worldwide
Shipping****PowerMacs****We Offer the Best Price on MEMORY**

4400/200	16-1.2GB, 8xCD	\$1095
4400/200	32-2GB, CD, 33.6 Office	\$1545
6500/300	64-4GB, 12xCD, Zip, 33.6 Kb.	\$2245
6500/275	32-4GB, TV, Avid, 33.6 Kb.	\$2245
6500/250	48-4GB, 12xCD, Zip, Office	\$1945
6500/250	32-4GB, 12xCD, Zip	\$1695
6500/225	32-2GB, 12xCD, 33.6	\$1475

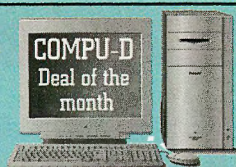
7300/200	32-2GB, 12xCD	\$1895
7300/180	32-2GB, 12xCD, DOS	\$2495
8600/250	32-4GB, 24xCD	\$2495

New

8600/300	\$2895
32-4GB, 24xCD, Zip	
9600/300	\$3195
64-4GB, 24xCD	

New

9600/350	\$3895
64-4GB, 24xCD	

**DIMM Memory**
We will beat any price
including installation**Performa**

6400/200	16-2.4GB, 8xCD, 28.8	\$1095
6300/100	8/1GB, CD	\$595*
6360/160	16-1.2GB, CD, KB, 28.8	\$795
5400/180	32-4.3GB, 8xCD KB	\$1745
5260/100	8/800, CD KB	\$1095

Best Buy Apple 1705
17", 1280x1024 Res., .28" **\$555****Apple****Processor Cards****Speed Up Your System's Performance**
at a Very Low Cost!

604/120 or 132MHz	\$75
604e/233MHz	\$495

Free**Phone with** w/Sys. Purchase
Caller ID over \$1000**Video/Graphic Cards****radius**

SuperMac Spectrum 24 PDQ+	\$149
SuperMac Spectrum 851	\$69
SuperMac Monochrome	\$49
Thunder 8/1600	\$179
VideoVision NuBus	\$595
Turbo TV	\$89
Twin Turbo 128M4/128M8	\$279/469
Targa 1000 PCI	\$1499
Targa 2000 PCI	\$2795
Targa 2000 PCI Pro	\$3495

TRUEVISION
First In Digital Video**PowerBooks**

3400c/240	16-3GB, CD	\$3795
3400c/200	16-2GB, CD	\$2895
3400c/180	16-1.3GB	\$2675
2400c/180	16-1.3GB	\$2795
1400c/166	16-2GB, 8xCD	\$2485
1400cs/133	16-1.3, 8xCD	\$1945
1400cs/117	20-750, 8xCD	\$1795
5300cs/100*	8-750	\$1090*
DVO 2300C	40-2.1GB	\$1395
DVO 2300C*	20-1.1, Fax/Mdm	\$1195*

PB.3400c/240 MHz**48/3GB, CD \$3995****PB. 3400c/200 MHz****48/2GB, CD \$3095****PB. 1400c/166 MHz****48/2GB, CD \$2695****Apple****Apple
3400C
Lithium
Battery
\$159**

Zip Drive / 10 Crtdg.	\$135/109
Jaz Drive SCSI / 5 Crtdg.	\$359/389
Zip+/JazII SCSI & Parallel	\$189/399

SyQuest SyJet 1.5GB SCSI Removable	\$369
Quantum Atlas 2.1GB SCSI-II	\$429
Quantum Atlas 4.5/9GB SCSI	\$629/995
Seagate Barracuda 4.3GB SCSI-II	\$599
IBM 4.3GB SCSI-II (5 Year Warranty)	\$349
PowerBook 2.1GB IDE 2.5"	\$229
3.0 GB IDE 2.5"	\$419

Printers & Scanners**Apple 12/640PS \$1195****LaserWriters 16/600PS \$1095****StyleWriter 4100/4500 \$299/349****HEWLETT
PACKARD****LaserJet 5M*/5M \$1295/1395****LaserJet 551MX/5MP \$3295/649****LaserJet 4MV/6MP/5MP* \$2395/859/525****DeskJet 1600CM/ LJ. 6MP* \$1345/795****DJet. 870CXi/ 855C/855CXi \$365/275/299****Arcus II****DuoScan \$4195****UMAX****Scanners**

UC1200SE	\$395
Astra 800S	\$169
Vista S12	\$339
Astra 1200S	\$369
PowerLook II	\$1249
PowerLook 2000	\$2775

**Mac Clones**

603e/200*	16/1.2GB, CD	\$745
603e/160*	16/1.2GB, CD	\$645

**Tower/200 Minitower \$2155****Center/150 Minitower \$1775****UMAX****5900/200 MHz \$2095****Apple Design/Extended Kb. \$49/125****SOFTWARE**

Photoshop 4.0.1/Illustrator 7.0	\$345/239
PageMaker 6.5/Acrobat 3.0.1	\$295/139
PageMill 2.0/ATM Deluxe 4.0	\$89/69
StreamLine 4.0/Persuasion 4.0	\$99/179
After Effects 3.1/Premiere 4.2	\$359/359
After Effects Production Bundle	\$1295

Quark**QuarkXpress 3.3/3.32 \$499/629****QuarkXpress 4.0 CALL****Macromedia****Freehand 7.0 \$239****MetaCreations****Bryce2.0 \$159****Kai's PowerTools 3.0 \$99****Painter 5.0/Detailer \$259/239****Office 4.2.1 \$279****Excel / Word 6.01 \$159/149****Microsoft****Graphic Tablets****WACOM**

ArtPad II 4x5	\$119
ArtZ II 6x8/12x12*	\$259/299
ArtZ II 12x18"/12x18" Electrostatic	\$389/499

PC's
Desktops & Laptops
in Stock!
Call for Best Prices!**IBM ThinkPad**

365X P133, 8/1.08GB, DSTN 11.3"	\$1245
560 P133, 8/2.1GB, DSTN 11.3", 4Lbs.	\$1495
760XD P166MMX, 32/3.3GB, TFT 12.1"	\$3995

TOSHIBA

T-220CDS P133, 16/1.3GB, 12.1"	\$1775
T-510CDT P133, 16/1.3GB, TFT 12.1"	\$2195
T-740CDT/730XCDT	\$3795/2795

COMPAQ Armada

1550DMT P133 16/1.4 GB, TFT 12.1"	\$2295
7710MT / 7750MT	\$2995/3875
171FS 17" SVEA 1200x1600.28Flat	\$545

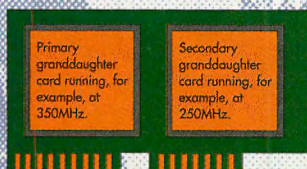
www.compu-d.com 1-800-929-9333 www.compu-d.com

Call MicroMac for Upgrade Solutions

World's Only Single 604e CPU Card Upgradable to Dual CPU Processing

The MicroMac PowerMasterPro accelerator introduces a revolutionary concept: Upgradability of the 604e processors on the accelerator card as your needs grow.

Instead of having the processor chip permanently installed onto the accelerator card, the PowerMasterPro accelerator employs a small user-installable plug-in board, called a granddaughter card, with a 604e processor. The PowerMasterPro allows you to install one or two granddaughter cards with 604e processors. The accelerator plugs into the Processor Card Slot on the logic board.



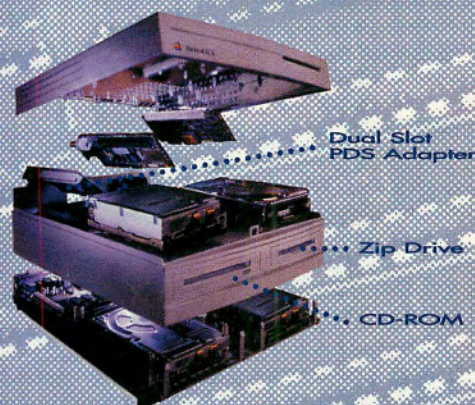
The clock generation circuitry of the PowerMasterPro produces a bus frequency from 40MHz to 67MHz, easily user-selectable in 1MHz steps through the adjustable speed thumbwheels on the board. This bus frequency is common to both processors. Each processor, however, can run at user-selectable, individual speed settings. For example, today you can start with a PowerMasterPro with one 250MHz processor and later add a second processor running at 350MHz, bringing the speed for dual processing applications to 600MHz!

Available for the PowerPC 73/75/76/85/86/95/9600 and most of the following Mac clones: PowerComputing®, PowerWave®, PowerTower®, PowerCenter® and UMAX SuperMac® 5900.



Features user-selectable bus clock frequencies!

Starting at **\$699**



LC/LCII Power WorkStation

Now all LC, LCII and Performa 400, 405, 410 & 430 owners can benefit with acceleration and Ethernet capabilities with the LC/LCII Power WorkStation.

- ▶ Integrates with a dual slot PDS adapter, a 32MHz ThunderCache accelerator with an optional 10-based T Ethernet card for network capabilities.
- ▶ Upgrades computer with optional CD-ROM, Zip or Optical drives and three hard drives.
- ▶ Custom configurations available. Call for details.

Starting at **\$199**

Logic Board, Mac II Series, SE/30 & LC III Upgrades

68040 & PowerPC Logic Board Upgrades

- Run Mac OS 8
- Up to 5 times faster processing
- Run all 68040-based software

LC, LCII, LCIII, Performa & LC 400-450 (68020/68030 based systems) upgrade to LC 475 (50/25MHz 68040) Upgrade to Quadra 605 Logic Board from **\$299**

PowerPC 7200 to PowerPC 7500 (with upgradable daughtercard) Upgrade to PPC 7500 from **\$499**

DiiMO 030 available for Mac II series, SE/30 & LCIII

- 50MHz 68030 with 64KB cache and optional FPU
- Boosts performance up to 250%-480%

Carrera040 available for Mac IIci, IIsi, IIfx & IIfx.

- 66/33MHz, 80/40MHz or 90/45MHz 68040
- 340%-710% performance gain
- Optional 128KB Cache card
- Optional FPUs



Pricing from **\$149-\$299**

MicroMac Technology

27121 Aliso Creek Road, Suite 125, Aliso Viejo CA 92656-3364
(714) 362-1000 • Fax: (714) 362-5428

Call or visit our Web site for complete products listing. We have an upgrade solution for you.

800-600-6227 • www.micromac.com



**SONY,FWB
VIEWSONIC
NEC, NEWER TECH
RADIUS, AGFA
SOFTWARE TOO!**



**HP, IMS, ATI
MIRO, TARGA
EPSON, WACOM
TRUEVISION
MICROTEC**



CUSTOM CONFIGURATIONS

a division of **BASEONE** computers.

LEASING PLANS AVAILABLE

Real Prices! Real Product! Real People.



POWERMAC

4400/200	16/1.2GB/CD	1089
4400/200	SMALL BUSINESS	1479
4400/200	PC COMPATIBLE	2099
5400/180	16/2G/8XCD	1399
6500/225	32/3GB/CD	1479
6500/250	48/4GB/CD/ZIP/OFF	1929
6500/275	CREATIVE STUDIO	2289
6500/300	32/4GB/CD/ZIP	2289
7200/90	8/500/CD REF	699
7200/120	16/1.2GB/CD	1129
7300/180	16/2GB/CD	1799
7300/180	DOS 32M/16D/2GB	2699
7300/200	32/2GB/CD	1989
8600/200	32/2GB/CD/ZIP	2399
8600/250	32/4G/24XCD/ZIP	2429
8600/300	32/4GB/24XCD	CALL
8600/300	32/4GB/24XCD/ZIP	2949
9500/132	16/1GB/CD/VI REF	1699
9600/200	0/0/CD	1899
9600/200	32/4GB/CD	2629
9600/200	MP 32/4GB/CD	CALL
9600/233	32/4GB/CD	2999
9600/300	64/4GB/24XCD	3399
9600/300	64/4GB/24XCD/ZIP	3499
9600/350	64/4GB/24XCD	CALL
9600/350	64/4GB/24XCD/ZIP	CALL

CALL FOR PRICES ON MEMORY
ADDONS, HD UPGRADES, AND MORE.

WORKGROUP SERVER

CALL ABOUT OUR HUBS, & ETHERNET	
7250/120	16/1.2GB/CD/WEB 1599
7350/180	48/4GB/CD 2599
7350/180	48/4GB/CD/WEB 2959
7350/180	48/4GB/CD/A.S. 3059
8550/200	32/2GB/CD/A.S. CALL
9650/233	64/4GB/CD/WEB 4999
9650/233	64/2X4GB/CD 4999
9650/233	64/2X4GB/CD/A.S. 5959
9650/350	16/2X4GB UW/24X CALL
9650/350	16/2X4GB UW/CD/ASCALL
9650/350	16/2X4 UW/CD/INT CALL
700/200	48/2X4GB/CD 10995

SOFTWARE

ADOBE PHOTOSHOP 4.0	379
ADOBE ILLUSTRATOR 7.0	319
ADOBE PAGEMAKER	379
QUICKEN 7.0	29
MACROMEDIA FREEHAND	329
MACROMEDIA DIRECTOR 5.0	759
MICROSOFT OFFICE	249
QUARK EXPRESS	629

PERFORMA

6200 CD	8/1GB/CD REF	599
6360/160	16/1.2GB/CD/REF	799
6360/160	16/1.2GB/CD	CALL
6400/200	16/2.4GB/CD REF	1099
6400/200	16/2.4GB/CD	1299
6400/200	VIDEO EDITION	CALL
6200 14.4 MODEM	INTERNAL	20

CALL FOR MEMORY UPGRADES, ETC.

PRINTERS

Apple STYLEWRITER 2200	289
Apple STYLEWRITER 2500	199
Apple STYLEWRITER 4100	249
Apple STYLEWRITER 4500	349
Apple STYLEWRITER 6500	479
Apple LW 12/640	1229
Apple LW 16/600 REF	1179
Apple LW 16/600	1529
NEW!! Apple LW 8500 20 (20PPM)	2499
Apple LW COLOR 12/660	3949
EPSON STYLUS 600	289
EPSON STYLUS 800	389
EPSON STYLUS 1520	789
EPSON STYLUS PRO XL	1359
EPSON STYLUS 3000	CALL
HP 870CXI	379
HP 6MP	899
HP 5M	1549
HP 4MV	CALL
CARTRIGES/TONER	CALL
QMS & GCC PRINTERS	STOCK

MONITORS

Apple 15"	359
Apple 15"AV NEW/REF	379/329
Apple 1705 17"	559
Apple 1710 17"	759
Apple 1710AV 17"	849
AppleVision 750	849
AppleVision 750AV	949
Apple 850 20"	1479
Apple 850AV 20"	1799
NEC C400/C500/M700	279/349/759
NEC P1150 20"	1689
Sony 100SF	349
Sony 200SF	749
Sony 300SFT	1399
VIEWSONIC 17PS	739
VIEWSONIC GT800	1189
VIEWSONIC P810	1399
VIEWSONIC PT770	739
VIEWSONIC G810	1195

POWERBOOK

DUO 2300C 8/750 REF	989
DUO 2300C 8/750	1099
DUO 2300C 20/1GB/MOD REF	1379
DUO 2400C 16/1.3G	3099
DUO DOCK II PLUS	449
5300C/100 16/1GB REF	CALL
5300CE/117 32/1G	STOCK
1400CS/117 12/1GB	STOCK
1400CS/133 16/1.3GB/CD	1899
1400C/133 16/1GB/CD	CALL
1400C/166 16/1GB/CD	2529
3400C/180 16/1.3GB	3159
3400C/180 16/1.3GB/6XCD	CALL
3400C/180 16/1.3GB/12XCD	2999
3400C/200 16/2GB/6XCD	3749
3400C/200 16/2G/12X/NOMD	3199
3400C/200 16/2G/12XCD	3389
3400C/240 16/3G/12X/NOMD	3999
3400C/240 16/3G/12XCD	4159

STORAGE

APPLE 2GB HD 3.5 SCSI	229
APPLE 4GB HD 3.5 SCSI	449
EZ QUEST JAZ EXT. W/CART	359
EZ QUEST JAZ INT. W/CART	329
EZ QUEST JAZ & Y4X6 CDR	1029
FWB PCI JACKHAMMER	375
IOmega JAZ DRIVE	379
IOmega ZIP DRIVE	149
IOmega ZIP DR. INT.	109
IOmega ZIP CART	14
IOmega JAZ CART	89
IOmega SCSI TO PC CONNECTOR	19
QUANTUM 2.1GB HD 3.5 SCSI	269
QUANTUM 4.3GB HD 3.5 SCSI	419
QUANTUM 6GB HD 3.5 SCSI	499
QUANTUM 9.1GB ATLAS II	1099
SEAGATE 4.5GB CHEETAH	865
SEAGATE 9.1GB CHEETAH	1799
SEAGATE 2.5GB BARRACUDA	469
SEAGATE 4.5GB BARRACUDA	819
SEAGATE 9.1GB BARRACUDA	1299
SEAGATE 23GB ELITE	2749
EXT. HD CASE	59

VIDEO CARDS

ATI XCLAIM 2 MB	219
ATI XCLAIM 4 MB	309
ATI TV TUNER	99
ATI XCLAIM 3D 8 MB	329
IMS TWIN TURBO 8 MB	459
IMS TWIN TURBO 4 MB	229
IMS TWIN TURBO 2 MB	229

We carry the full line of 3D & Photoshop
Accelerated Graphics Cards by Radius.

UMAX

C500LT/200	16/2G/8X	99
C500I/200	16/2G/12X/MDM	106
C500E/200	16/2G/12X/10BT	106
C600/200	16/2G/8X/MDM	162
C600LT/240	24/2G/12X/MDM	134
C600X/240	32/3G/12X/10BT/M	176
C600X/280	32/4G/3D/12X/M	208
J700/180	24/2.1/8X/MDM	169
S900/200	32/2.1/4M IMS/8X	229
S900/233	32/2.1/8M IMS/8X	267
S900/250	32/2.1/8M IMS/8X	319
S900DP/200	32/2.1/4M IMS/8X	309
S910/250	64/4G/8M IMS/24X	399
S910DP/250	64/4G/8M IMS/24X	629
UMAX 21 INCH COLOR DISPLAY		164
UMAX 17 INCH COLOR DISPLAY		67
UMAX 15 INCH COLOR DISPLAY		38

MOTOROLA

3000/200	16/1.2GB/CD/28.8	99
3000/200	32/2.5GB/CD	109
3000/240	32/2.5GB/CD	119
4000/160	32/2.5GB/CD/28.8	145
4000/200	32/4.3GB/CD/ZIP	197
5000/225	32/2.5GB/16XCD/3D	149
5000/225	32/2.5GB/16X/10BT	164
5000/250	32/2.5/16X/ZIP/MDM	159
5000/275E	32/4.3/16X/ZIP/10BT	213
5000/300	32/4.3GB/CD/ZIP	218
5000/300	32/4.3GB/CD/ZIP/8M	256
5500/200	64/4.3/16X/ZIP/100BT	206

SCANNERS

AGFA ARCUS II TRANS & PHOTO	\$ 157
STUDIOSTAR	82
STUDIOSTAR LE	71
SNAPSCAN 300 & 600	329/399
EPSON EXPRESSION 636 EXEC	74
EPSON EXPRESSION 636 ART	92
EPSON EXPRESSION 636 PRO	129
MICROTEK SCANMAKER E3	21
MICROTEK SCANMAKER E6	29
MICROTEK SCANMAKER E6 PRO	129
MICROTEK SCANMAKER III	134
NIKON COOLSCAN 20E	82
NIKON SUPERCOOL SCAN	162
UMAX ASTRA 600S	19
UMAX ASTRA 1200S	38
POWERLOOK II PRO	134

800-951-1230

www.machbase.com

Int'l (714) 428-0777 University, School, Government & Fortune 1000 P.O.'s Accepted! FAX (714) 428-0778



Dealers inquiries welcome. Returns subject to restocking fee. Prices reflect C.O.D. or CASH and are subject to change without notice. P.O.'s subject to approval.



MWAd#
1197CM

Sales

(818)787-1054

Same Day Shipping



Compu Mall
Your Premier Computer Source

800-977-5665

www.cmpumall.com



Fax

(818)787-2111

Prices Are Based on C.O.D. Order &
Subject to Prior Sales & Change!

* Factory refurbished with Warranty

e-mail:sales@cmpumall.com

New Faster MACS at Unbelievable Deals!

PowerMacs

8600/300 \$2795

32-4GB, 24xCD

9600/350 \$3995

64-4GB, 24xCD

9600/300	64-4GB, 24xCD	\$3195
9600/200	32-4GB, 12xCD	\$2495
9500/200	32-2GB, CD*	\$2095
8600/250	32-4GB, 24xCD	\$2495
8600/200	32-2GB, 24xCD	\$2395
7300/200	32-2GB, 12xCD	\$1895
7300/180	16-2GB, 12xCD	\$1745
6500/300	32-4GB, 12xCD, Zip, 33.6	\$2245
6500/275	64-4GB, 12xCD, TV, Avid	\$2245
6500/250	48-4GB, 12xCD, Office, Zip	\$1995
6500/225	32-3GB, 12xCD, 33.6	\$1445

Apple

PowerBooks

3400c/240 MHz

16/3GB, CD \$3795

3400c/200 MHz

16/2GB, CD \$2895

2400c/180 MHz

16/1.3GB \$2795

1400c/166 MHz

16/2GB, CD \$2495

3400C Battery \$159

Performas

6400/200 16/2.4GB, 8xCD, 28.8 \$1095

6400/180 16/1.6GB, 8xCD, 28.8 \$895

6360/160 16/1.2GB, CD, KB., Modem \$749

6300/100 8/1GB, CD \$595*

5500/225

5500/180

5400/180

CALL

\$1295

16/1.6GB, 8xCD, KB, 15" Display CD Bundle



Fax/Modem

Teleport 56K \$159

Powerport 14.4 \$59

56KFlex PCMCIA \$249

US Robotics 56K12 (\$50 Rebate) \$139

3400c/240 48-3GB, CD, 10BT, 56K **\$4095**

3400c/200 48-2GB, CD, 10BT, 56K **\$3095**

3400c/180 16-1.3GB **\$2695**

1400cs/133 16-1.3GB, 8xCD **\$1945**

5300cs/100* 8-750MB **\$1095***

6x/8x/12xCD F-PB. **\$175/210/249**

DUO 2300C 40-2.1GB **\$1395**

DUO 2300C* 8-750 **\$995**

Floppy+Adpt. **\$275**

Displays

17" 750 \$799

17" 1280x1024 Res., 28

1705/1710 \$555/775

1710AV \$825

17" 750AV \$895

20" 850 \$1449

20" 850AV \$1799



radius

PrecisionView 21" 0.25dpi \$1595

PressView 17SR 0.25dpi \$1549

LACIE LIMITED

.22dpi, 75MHz, 1600x1200

19" Color Display \$895

3 Year Warranty

SONY

ViewSonic

0.27dpi W/Sound

100SF 15" 0.25 dpi \$339

200SF 17" 0.25 dpi \$665

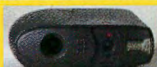
300SF 20" 0.25 dpi \$1395

15GA 15" \$329

17GA 17" \$499

G810 21" \$1099

Digital Cameras



Apple QuickTake 200 \$575

Agfa ePhoto 307 \$269

Agfa ActionCam \$5649

CASIO QV-11 \$279

CASIO QV-300 \$669

Connectix QuickCam Clr. \$189

EPSON PhotoPC500 \$449

Kodak DC20 \$179

Kodak DC25 \$379

Kodak DC50 \$639

Kodak DC120 \$929

RICOH RDC-2E \$559



ixmicro

Turbo TV MAC & PC \$89

Twin Turbo 128M4 \$299

Twin Turbo 128M8 \$479

Printers

Clr. LaserWriter 12/600 PS \$4595

LaserWriter 16/600 PS \$1475

" 16/600 PS* 16ppm, 8MB, 600DPI \$1095

" 12/640 PS 12ppm, 6MB, Ethernet \$1145

StyleWriter 4100/4500 \$239/339

" " 1500/2500/2200 \$149/219/249



HEWLETT PACKARD

LaserJet 4000 Series 17ppm, 1200DPI **CALL**

LaserJet Clr. 5M*/5M/5MP* \$4299/1495/525

LaserJet 4MV/4MV* \$2395/2049

LaserJet 5SIMX/6MP \$3295/795

Color DeskJet 1600CM* **\$1195**

9ppm, 6MB, 600DPI, PSL2, Ethernet

Mac & PC

LJet 5MP 6ppm, 3MB, 600DPI, PSL2 **\$625**

SOFTWARE

Super Deals

Adobe Photoshop 4.0.1 \$345

Adobe Illustrator 7.0 \$239

Adobe PageMaker 6.5 \$295

FractalDesign Painter 5.0 \$259

Macromedia Freehand 7.0 \$239

QuarkXpress 3.32/4.0 \$629/CALL

Connectix Virtual PC \$137

Insignia SoftWindows 3.11/95 \$59/185

MS Office 4.2.1 \$279

MS Word 6.0.1 \$149

MS Excel 5.0 \$159

MS Project 4.0 \$259

Simms & Dimms
Best prices!



PowerCity

604e/200MHz

\$1395

16MB RAM, 1.2GB HD, CD-ROM, Kb., Mouse



UMAX

604e/200

\$2145

604e Processor 200MHz, 32MB RAM, 2GB HD,

8xCD-ROM, IMS /17" Display, Kb., Mouse

1-800-977-5665
www.cmpumall.com

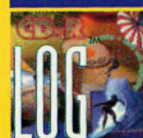
STORAGE

CD Recordable

w/Toast Software

2x6 CD-R \$379

4x6 CD-R \$669



CDR Media

74Min., 650MB

Qty. 100+ Spindle \$1.49

Qty. 1000+ Spindle \$1.29



Zip Plus / Jazz II \$189/429

Zip SCSI / 10 pack Ctrtdg. \$135/107

Jaz SCSI / 3 pack Ctrtdg. \$369/249

1800-533-9005

E-MAIL US AT: COMPAMER@aol.com

(310) 446-1771 10435 Santa

FAX Bids Monica Blvd

(310) 475-7744 LA, CA 90025

We are open on Saturday!

COMPU AMERICA

"The Computer Specialist"

Check out our WEB!!!

- **UPDATED DAILY!!!**
- **Online Ordering**
- **Stock/Availability**
- **Color Photos**
- **Complete Specs**
- **Shipping Estimates**
- **International Sales**
- **Credit/GOD/Leasing**
- **No Wait! No hold!**
- **Completely Accurate!**

[HTTP://WWW.COMPU-AMERICA.COM](http://www.compu-america.com)

Government, University, and Fortune 1000 P.O.'s are welcome! International Orders Please call (310) 446-1771

PowerBook 3400C/240

SPECIAL!
240MHz 603e
16MRAM/3G/12XCD
ACTIVE/ETHERNET
\$3899

PowerBook 3400C/200

SPECIAL!
200MHz 603e
16/2GIG/12XCD
ACTIVE/ETHERNET
\$2999

PowerBook 1400C/166

SPECIAL!
166MHz 603e
16/2G/8XCD
\$2489

PowerBook 5300CS

SPECIAL!
100MHZ/603e
16/750/FAXMDM
\$1199*

PowerMac 4400/200

SPECIAL!
200MHz 603e Desktop
16MRAM/1G/CD
256K CACHE, KEYBOARD
\$1099

PowerMac 8600/300

SPECIAL!
300MHz 604e Mini
32/4GIG/24XCD
2MB VRAM, KEYBOARD
\$2799

PowerBook 2400C/180

SPECIAL!
180MHz 603e
16/1.3G
\$2699

LaserWriter 16/600PS

SPECIAL!
25MHZ/8M RAM
600DPI/17PPM
\$1199*

NEW POWERMACS!

9600/350	64/4G/24X	4699
9600/300	64/4G/24X	3499
9600/200MP3	32/4GIG/CD	2999
9600/233	32/4GIG/CD	2795
9600/200	32/4GIG/CD	2499
8600/300	32/4G/24X	2879
8600/200	32/2GIG/CD	2299
7300/PEN	32/2GIG/CD	2399
7300/200	32/4GIG/CD	1899
7300/180	16/2GIG/CD	1699
6500/300	32/4G/CD	2249
6500/275	64/4G/CD/ZIP	2249
6500/250	48/4G/CD/ZIP/O	1899
6500/250	32/4G/CD/ZIP	1799
6500/225	32/3G/CD	1399
4400/200	16/1G/CD/KEY	1099
4400/200	32/2G/CD/OF/K	1499

POWERMAC

7200/75	8/500/4XC	699*
7200/90	8/500/4XC	699*
7200/120	16/1.2G/8XCD	1399*
7200/120	16/1.2G/DOS	1399*
7600/120	16/1G/4XCD	1099*
7600/132	16/1G/CD	1399*
8500/120	16/2G/4XCD	1499*
8500/132	16/1.2G/4XCD	1599*
8500/150	16/2G/8XCD	1699*
8500/180	32/2G/8XCD	1899*
9500/132	16/2G/8XCD/V	CALL
9500/150	16/2G/4XCD/VID	2199
9500/200	32/2G/8XCD	1899*
9500/180	MP 32/2G/8XCD	2399
8100/100	8/700	999*
8100/100	16/1GIG/CD	1399*
8100/110	16/2G/4XCD	1399*

Apple Printers

SW 1200/2400	99*/179*
SW 2200	299
SW 1500	179/149*
SW 2500	229/189*
SW 4100	239
SW 4500	339
Apple LW 4/600PS	699/599*
Apple LW 12/640/PS	1199/999*
Apple LW 16/600PS	1499/1199*
Apple LW 12/660PSC	4199/3499*

APPLE Monitors

Apple Ms 14"	279*
Apple MS 15"	299*
Apple MS 15AV	369
Apple 1705 17"	549
Apple 1750 17"	799
Apple 1750AV	CALL
Apple Multiscan 20"	1099*
Apple Multiscan 850 20"	14499
Apple Multiscan 850av	1699

POWERBOOKS

3400C/240	16/3G/12XCD	3899
3400C/200	16/2G/12XCD	2999
3400C/200	16/2G/6XCD	3199
3400C/180	16/1.2G/12XCD	CALL
3400C/180	16/1.2G/6XCD	3195
3400C/180	16/1.3G	2699
2400C/180	16/1.3G	2699
1400C/166	16/2G/CD	2489
1400C/133	16/1G/CD	2389
1400C/117	16/1G/CD	2099
1400CS/133	16/1G/CD	1899
1400CS/117	16/750/CD	1799
1400CS/117	12/750	1599
5300CE/117	32/1G	1699*
5300C/100	8/500	1195*
5300C/100	16/750	1295*
5300CS/100	8/750	1099*
5300/100	8/500	899*
190CS/66	8/500	999*
190/66	8/500	899*
DUO 2300C	20/1.2GB/14.4	1399*
DUO 2300C	8/750/14.4	999*
DUO DOCK		499
540C	12/160/MOD	999*

PERFORMAS

6400/200V	16/2.4G/CD	1399*
6400/200	16/2.4GIG/CD	1049*
6400/180	16/1GIG/CD	949*
6320/120	16/1GIG/CD	799*
6300/100	16/1.2G/4XCD	749*
6360/160	16/1.2G/8XCD	799*
6220/75	16/1G/CD/TV	649*
6200/75	8/1GIG/4XCD	599*
6116/66	8/700/4XCD	599*
5320/120	16/1.2G/CD/15"	1199
5260/100	16/800/CD	999*
5200/75	8/800/CD	1099/949*
5400/180	16/1.6G/CD	949*
631/66	8/500/CD	549*

WorkGroup Servers

7250/120	16/2G/CD	1099
7250/120	16/2G/SHARE	2199
7350/180	48/4G/CD/SHA	2999
7350/180	48/4G/CD/INT	2999
7350/180	48/4G/CD	2599
8550/132	24/2GIG/CD	2495
8550/132	24/2G/SHARE	2999
8550/200	32/2G/CD/INT	3999
8550/200	32/2G/CD/SHR	3299
8550/200	32/2G/CD/DAT	3995
500/132	32/1G/CD	7995
700/150	32/1G/CD	7399
700/200	48/2G/CD	9995
9150/120	16/2GIG	1495
9650/233	64/4G/CD/SHA	5799
9650/233	64/4G/CD/INTER	4999
9650/233	64/4G/CD/DAT	5099

UMAX

S900/250DP	64/4G/8XCD	5695
S900/200DP	32/2G/8XCD	2695
S900/180DP	32/2G/8XCD	2295
S900/250	32/2G/8XCD	2899
S900/233	32/2G/8XCD	2199
S900/225	32/2G/8XCD	CALL
S900/200	32/2G/8XCD	CALL
S900/180	32/2G/8XCD	CALL
J700/150	16/2G/8XCD	1299
J700/180	16/2G/8XCD	1699
C600/240	24/2G/8XCD	1199
C600/200	16/2G/8XCD	1099
C600/180	16/1G/8XCD	1049
C500/180	16/1G/8XCD	999
C500/160	16/1G/8XCD	895
VISTA Astra 600-LE		149
VISTA Astra 600-PRO		CALL
VISTA Astra 1200-LE		429
VISTA Astra 1200-PRO		499
VISTA Astra POWERLOOKII		1299

SONY

Sony 100SF/100SX	369/339
Sony 200SF/200SX	629/579
Sony 300SF	1299

WACOM

ARTZ II 6 X 8 W/PAINTER	579
ARTZ II 6 X 8	295
ARTZ II 12 X 12	399
ARTZ II 12 X 18	679

HEWLETT PACKARD

55IMX	3499
5M	1499
5MP	599
6MP	849
4MV	2399
Deskjet 680C	279
Deskjet 870CXI	399

radius

PRECISION VIEW 21"	1669
PRESSVIEW 21SR	2699
Thunder 30/1600	659
Tunder color 30/1600	1749
Thunder Power 30/1600	829
Thunder Power 30/1920	1099
Thunder 3D 1600 x1200	2699
VIDEO VISION STUDIO 2.0	3399

Processor Upgrades

APPLE POWERMAC 132MHZ	99
APPLE POWERMAC 150 MHZ	149
APPLE POWERMAC 200MHZ	499
APPLE POWERMAC 233MHZ	599

Tektronix

PHASER 140	949
PHASER 300X	4999
PHASER 350 COLOR LASER	2999
PHASER 380	7899
PHASER 450	6099
PHASER 480X	14495
PHASER 550 COLOR LASER	3999
PHASER 600WIDE FORMAT	11999



VIEWSONIC 15GA-2	369
VIEWSONIC 15GS	349
VIEWSONIC 17GA	599
VIEWSONIC 17GS	589
VIEWSONIC 17PS	649
VIEWSONIC GT770	669
VIEWSONIC PT770	659
VIEWSONIC PT775	699
VIEWSONIC PT813	1499
VIEWSONIC P810	1299
VIEWSONIC P815	1499
VIEWSONIC G810	1099

EPSON

STYLUS COLOR 600	299
STYLUS COLOR 800	389
STYLUS COLOR 3000	1679
EXPRESSION/636/EXEC	739
EXPRESSION/636/ART	949
EXPRESSION/636/PRO	1329



TWIN TURBO 8 MEG PCI	449
TWIN TURBO 4 MEG PCI	299
TWIN TURBO 2 MEG PCI	199

NEC

NEC 15XV+	429
NEC 17XV+	649/599*
NEC C500 15"	429
NEC C400 14"	329
NEC E500 15"	389
NEC E700 17"	679
NEC M750 17"	899
NEC E1100	1199
NEC P1150	1349



ZIP DRIVE 100 MEG	149
JAZZ DRIVE 1 GIG	379
ZIP CART 10 PACK	129
JAZZ CART	89

GCC TECHNOLOGIES

GCC ELITE 600ET (10PPM)	1099
GCC ELITE XL-608	2199
GCC ELITE XL-616	2349
GCC ELITE XL-808	2799
GCC ELITE XL-1208	3999

RASTEROPS

SUPERSCAN MC-6215	569
SUPERSCAN MC-6315	669
SUPERSCAN MC-7515	949
SUPERSCAN MC-20"	1169
SUPERSCAN MC-801	1499
SUPERSCAN MC-801-HR	1599



Global Village Plat 33.6 Voice	169
Global Village Gold II PCM 14.4	49
Global Village Gold II 14.4EXT	49
Global Village 28.8 PCMCIA	199
Global Village 56.6 PCMCIA	259
Global Cillage 56.6 ETH/PCM	359

All prices are cash discounted. Prices subject to change without notice. Not responsible for typos. An asterisk "*" denotes refurbished product.

1-888-447-3728

¥MacResQ¥

www.macresq.com

Toll Free

Power Computing

PowerBase 180

16/1.2Gig/8xCD

\$999

Mac OS

Internal Apple CD Rom's

Apple Stylewriter 1200

w/ink & cable

\$89

Apple Printers

StyleWriter 1500 \$139

Color SW 2400 \$179

LaserWriter 16/600 \$1299

Apple Personal LW 300

***300 DPI**

***4 PPM** \$299 w/toner

Monitor Specials!

Apple 13" RGB \$179

Apple 14" Multi-scan \$179

W/CPU purchase \$149

Apple 14" Performa Plus \$199

W/CPU purchase \$399

Apple 21" Color \$499

Sony 17" OEM Trinitron \$299

Sony 20" OEM Trinitron \$499

Duo 2300c 28/1 gig/14.4

\$999

Duo 280c 28/1 gig/14.4

\$799

Duo Dock (w/Duo purchase)

\$249

POWER SUPPLIES**

LC thru Q 605 \$19

Mac II cx/ci/Q 700 \$49

Q 800 / PM 8100 \$99

PM 8500 / 9500 \$109

PERF. 630 thru 6300 \$69

Duo Dock \$69

Q 900 / 950 \$99

PM 7100 (EXCH. ONLY) \$69

PM 6100 (EXCH. ONLY) \$89

II SI \$49

NEW! Mac OS 7.6 (CD)

\$18.99

MR Mac-Res-Q

17" Only \$299!

20" Only \$499!

Sony Trinitron Blowout!

25% re-stocking fee- ALL ITEMS REFURBISHED UNLESS NOTED AS NEW * All Parts Sold With a 90 Day MacResQ Exchange Warranty ** = Exch. Required For Orders of 10 or Less * All Major Credit Cards With NO Surcharge.

www.macaddict.com

Get Addicted

- Links to other key Mac sources
- News and information
- Chat forums
- Contest

imagine
a new way of publishing



Mac
ADDICT
A better machine. A better Web site.

Mac ADDICT

Free Issue & CD!

Arts

Clubhouse

Games

Net

Tools

About Us

MacAddict is brought to you by **imagine**

What's New
Saturday, December 28: We take a break until January 3, as... Apple buys NeXT! A conference call yields more details. Meanwhile, Apple buys NeXT! We survey the reader reaction. Also: Apple buys NeXT! The top ten side-effects. Quid Pro Quo 1.0 ships. Cyberlog 2.0 goes alpha, and meanwhile, somewhere, Apple buys NeXT!

This Issue
January 1997: We show you powerful and dangerous ways to customize your Mac, look at QuickTime movie-making and creating cool sounds, and much much more.

Help!
Our help page answers your questions about the magazine and the site, lists handy resources for subscribers and provides complete contact information.

Frank's List
Good stuff from Guy Kawasaki's mailing list for Mac lovers.

Come see us at Interworld Expo/Bus. Pavilion. 1st floor. 1st booth. 1st floor. 1st booth. 1st floor. 1st booth.

We've got too much inventory! All new and lower prices on CD-R blanks! Get the highest quality GOLD & GREEN CD media on the market for as low as \$2.99 each. And we're talking name



As Low As
\$2.99 ea.

RE-WRITE

CD-RW Technology Is Here!

AID CD RECORDERS

~7X Write/6X Read
~ReWrite up to 1,000 times!
~Internal & external available!
~Great deals on CD-RW media!

\$499

also reads/writes CD-R

RECORD

4x/6x write read

Recordable CD

AID CD RECORDERS

~2MB cache buffer
~250 ms access speed
~Yamaha inside

\$529

speed & quality!

RECORD

JAZ 1GB & CD Recorder Duo!

EXTREME

~1GB JAZ & CD-R
~All in 1 unit (2 SCSI)
~W/software+cables

\$799

jaz/cd-r duo

NEW! LABEL

Print perfect color directly to your CDs!

Picasso CD COLOR PRINTER

~Complete CD-R Printing Solution
~Quick Dry Ink, Not Tacky!
~Bright, Vibrant Colors

\$1199

FREE 10 PIECES OF PRINTABLE MEDIA!

NEW! RECORD

SyJet 1.5GB & CD-Recorder Duo!

JetStream

~1.5GB SYJET & CD-R
~All in 1 unit (2 SCSI)
~W/software, cables, media

\$799

syjet/cd-r duo

DUPLICATE

Standalone 50-CD Dup. System

\$5999

Duplicate While You Sleep!

Standalone 150-CD Dup. System

\$6999

SOFTWARE

ASTARTE M-PAK

PRO TOOLS

CD-DA: Mac software for writing "Red-Book" Audio CDs \$359

CD-Copy: Mac software for bit by bit copying of CDs \$99

M-PACK: MPEG encoding software for Mac \$399

TOAST 3.5: #1 CD-writing software for Mac, Improved \$99

MEGA PACK: with Toast 3.5, CD-DA & CD-Copy \$449

AUDIOMEDIA III: Mac PCI Audio I/O Card \$699

MASTERLIST: Mac software for writing Pro Audio CDs \$499

PROTOOLS: Professional audio, for use with PCI \$599

INTECH CD-ROM SPEEDTOOLS: CD-ROM performance! \$20

CD Recorders	int.	ext.
AVD CD-Recordable 2X/6X	\$499	\$579
AVD 4X/6X Yamaha	\$529	\$599
AVD 4X/4X Teac	\$529	\$599
AVD 2X/6X Sony	\$379	\$449

JAZ/CD-R Duo	int.	ext.
JAZ 1GB & 4X/6X Yamaha	\$979	
JAZ 1GB & 4X/4X Teac	\$979	
JAZ 1GB & 2X/6X Sony	\$799	
JAZ 1GB & CD-Recordable 2X/6X	\$999	
Fast Audio Capture & CD Copy		
4X Write/6X Read/12X Read	\$899	
4X Write/6X Read/20X Read	\$999	

SYJET/CD-R Duo	int.	ext.
SYJET 1.5GB & 4X/6X Yamaha	\$979	
SYJET 1.5GB & 4X/4X Teac	\$979	
SYJET 1.5GB & 2X/6X Sony	\$799	
SYJET 1.5GB & CD-Recordable 2X/6X	\$999	

Media			
Syquest SyJet 1.5GB	\$89	128MB Optical	\$6.99
Syquest Compatible 44MB	\$29	250MB Optical	\$9.99
Syquest Compatible 88MB	\$34	590MB Optical	\$23.99
Syquest 135MB	\$19.99	640MB Optical	\$27.99
Syquest Compatible 200MB	\$53	650MB Optical	\$27.99
Syquest 270MB	\$55	1GB Optical	\$89.99
ZIP 100MB	\$12.99	1.2GB Optical	\$27.99
JAZ 1GB	\$89	1.2GB Optical	\$27.99
DIT 10/20GB	\$39.99	2.3GB Optical	\$55.99
DIT 15/30GB	\$47.99	2.6GB Optical	\$55.99
DIT 20/40GB	\$106.99	CD-Recordable 650MB Discs	\$22.99

Other Products	int.	ext.
JAZ 1GB Drive + Cartridge	\$299	\$399
SyJet 1.5GB Drive + Cartridge	\$299	\$399
Plextor 12X CD-ROM	\$299	\$299
Plextor 20X CD-ROM	\$269	\$329

always a great deal

Ad Code: LA-112

ORDER TOLL FREE!

Product Prices and Availability Subject To Change

800.555.5551

open M-F: 7 a.m. - 6 p.m. (PST) • intl ph. 714-974-5551 • fax 714-279-1690



MEDIASTORE

www.mediastore.com

ADVERTISER INDEX

ADVERTISER	PAGE NO.	PHONE NO.	WEB ADDRESS
Access Software	17	800-800-4880	www.accesssoftware.com
Active Arts	79	800-ACTIVE1 (228-4831)	www.active-arts.com
Aladdin Systems	13	415-761-6200	www.aladdinsys.com
Aspyr Media	IBC	512-708-8100	www.aspyr.com
ATI Technologies Inc.	7	905-882-2600	www.atitech.com
Awthen	119	888-89-AWHEN	www.awthen.com
Black Dragon Productions	91	941-346-8866	www.blackdragon.com
Blizzard Entertainment	25	—	www.blizzard.com
Bungie Software	OBC	800-295-0600	www.bungie.com
ClubMac	102-103	800-258-2622	www.club-mac.com
Coast to Coast Memory	118	800-4-Memory	http://18004memory
Compu America	114	800-533-9005	www.compu-america.com
Compu.D	110	800-929-9333	www.compu-d.com
Compu Mall	113	800-929-9333	www.compu-d.com
Computer Discounters	118	800-964-1882	www.computerdiscounters.w1.com
Connectix	32-33, 87	650-571-5100	www.connectix.com
DFI	119	800-390-7020	—
Digital Harbor, L.C.™	9	800-759-2204	www.dharbor.com
Earthlink	11	800-395-8425	www.earthlink.net
Emigre, Inc.	20-23	800-944-9021	www.emigre.com
Eritech International, Inc.	119	800-808-6242	www.eritech.com
FWB Software	5	650-482-4800	www.fwb.com
Graphic Simulations	61	800-580-4723	www.graphsim.com
Green Dragon Creations, Inc.	29	888-624-0200	www.greendragon.com
LA Computer Center	108	800-689-3933	www.lacc.com
Leister Productions	118	717-697-1378	www.leisterpro.com
Mac Solutions	118	800-873-3RAM	www.macsolutions.com
MacBase	112	800-951-1230	www.macbase.com
MacNet	96-97	800-404-9976	www.applemacnet.com
MacResQ	115	888-447-3728	www.macresq.com
MacSoft (a GT Interactive Company)	15, 19, 27, 65, 71, 73	800-229-2714	www.wizworks.com/macsoft
MacZone	94-95	800-304-0286	www.maczone.com
Media One	66	760-510-9880	www.copycatshop.com
Media Store	115	800-555-5551	www.mediastore.com
MediaGuide	118	800-463-0686	www.mediaguide.com
MHA Event Management	83	800-645-EXPO	www.mha.com/macworldexpo/
MicroMac Technology	111	800-600-6227	www.micromac.com
Microsoft Corp.	42-43	—	www.microsoft.com/games/closecombat
Other World Computing	98-101	800-275-4576	www.macsales.com
Panasonic	56-57	888-797-5867	www.gopostal.com
Parsons Technology	109	800-243-6169	www.parsonstech.com
Partstock	118	612-328-3996	www.geekssquad.com
Power Max	106-107	800-441-6922	www.powermax.com
PowerOn	119	800-673-6227	www.poweron.net
Sony Electronics Inc.	IFC-1	800-352-7669	www.sony.com/technology
Source Computing	117	800-900-4599	www.sourcecomp.com
STAZ Software	10	800-348-2623	www.stazsoftware.com
Strategic Simulations Inc	82	800-234-3088	www.ssionline.com
TechWorks	2	800-688-7466	www.techworks.com
United CD-ROM	104-105	800-864-8334	www.unitedcdrom.com
Wild Bill Graphics	118	509-747-4181	—

Reach more than 150,000 Mac Addicts!

Over 40% of our readers **bought a product/service** as a result of reading **MacAddict**.
Be sure they see *your* sales message - -
call today to reserve your space!

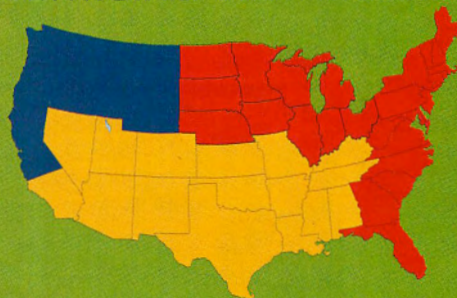


MacAddict
150 North Hill Dr., #40
Brisbane, CA 94005

TEL: 415-468-4684
FAX: 415-468-4686
http://www.macaddict.com



ADVERTISING REPRESENTATIVES



Christina Sorrentino, 516-421-2832
Regional Ad Manager
e-mail: csorrentino@macaddict.com

**East Coast U.S., North Central
U.S. and Eastern Canada**

Mary LaChapelle, ext. 417
Regional Ad Manager
e-mail: mlachapelle@macaddict.com

**Bay Area, Northwest,
and Western Canada**

Kevin White, ext. 497
Regional Ad Manager
e-mail: kwhite@macaddict.com

**Southwest and
South Central U.S.**

André Lengyel, ext. 416
National Ad Manager
e-mail: alengyel@macaddict.com

Jana Massey, ext. 194
Ad Coordinator
e-mail: jmassey@macaddict.com

MACADDICT NETWORK

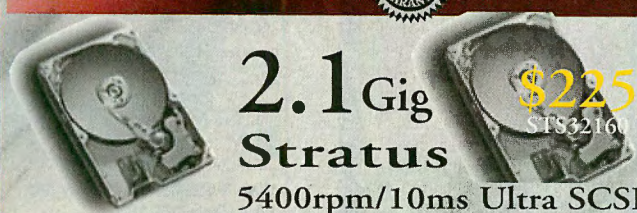
Camilla Colegrave, ext. 121
Online Advertising Manager,
e-mail: ccolegrave@macaddict.com

DRIVES

Quantum



3/5 Year Warranty!



2.1 Gig
Stratus

\$225
STS32160

5400rpm/10ms Ultra SCSI 3

3.2 GB Stratus	10ms	5400	US3	STS33240	\$319
4.3 GB Stratus	10ms	5400	US3	STS34320	\$349
6.4 GB Stratus	10ms	5400	US3	STS36480	\$469
9.1 GB Atlas II	8.0ms	7200	US3	ALS39100	\$989
2.1 GB Stratus	10ms	4500	IDE	STA32160	\$195
3.2 GB Stratus	10ms	4500	IDE	STA33240	\$235
4.3 GB Stratus	10ms	4500	IDE	STA34320	\$285

Seagate



5 Year Warranty!

4.3 GB Barracuda	8ms	7200	US3	STS34371N	\$745
9.1 GB Barracuda	8ms	7200	FS2	ST19171N	\$1089
4.3 GB Cheetah	8ms	10000	US3	ST34501N	\$839
4.3 GB Cheetah	8ms	10000	UWS3	ST34501W	\$869
23 GB Elite23	8ms	5400	FS2 ST	423451N	\$2245

IBM



5 Year Warranty!

4.3 GB UltraStar II	9.5ms	5400	FS3	IBMUS43	\$539
9.1 GB UltraStar II	8.5ms	7200	FWS3	IBMUS43	\$949

MICROPOLIS



5 Year Warranty!

9.1 GB	8.5ms	7200	US3	MC3391	\$899
--------	-------	------	-----	--------	-------

Western Digital



5 Year Warranty!

2.1 GB Caviar	10.0ms	5200	IDE	WDAC32500	\$245
2.1 GB Enterprise	8.0ms	7200	US3	WDE32170S	\$399
4.3 GB Enterprise	8.0ms	7200	US3	WDE4360S	\$599

FUJITSU



5 Year Warranty!

2.5 GB	10.0ms	5400	IDE	FJ21IDE	\$189
--------	--------	------	-----	---------	-------

CALL FOR ANY DRIVES NOT LISTED WE CARRY ALL MODELS

MEMORY



LIFETIME WARRANTY!

SIMMS 72 Pin 60/70ns

DIMMS 168 Pin FPM/EDO 3.3

4MB.....	\$15	8 MB.....	\$37/41
8 MB.....	\$27	16 MB.....	\$59/65
16MB.....	\$49	32 MB.....	\$99/105
32 MB.....	\$99	64 MB.....	\$199/209

POWERBOOK RAM



Lifetime Warranty!

500/5300/190

4 M B	\$ 3 9
8 M B	\$ 5 5
1 6 M B	\$ 8 5
3 2 M B	\$ 1 5 9
4 8 M B	\$ 2 4 9

1400/3400/2400

4 M B	\$ 4 5
8 M B	\$ 6 5
1 6 M B	\$ 8 9
3 2 M B	\$ 1 8 5
6 4 M B	\$ 2 8 5
1 2 8 M B	\$ 5 7 5

L2 CACHE



Lifetime Warranty!

256k-61/71/81xx.....	\$13
256k/512k-72/73/75/76/85xx.....	\$43/75
256k/512K-44/54/64/65xx.....	\$63/89
1 M B - 61 / 71 / 81 x x.....	\$ 1 2 9
1 M B - 72/73/75/76/85/86xx.....	\$155

PROCESSOR UPGRADES

StarMax PowerComputing

PPC604e Card	166Mhz	\$239
PPC604e Card	180Mhz	\$269
PPC604e Card	200Mhz	\$469
PPC604e Card	225Mhz	\$599
PPC604e Card	233Mhz	\$689
PPC604e Card	240Mhz	\$759
PPC604e Card	250Mhz	\$849

DUAL 604e/Card	400Mhz	\$389
DUAL 604e/Card	450Mhz	\$1159
DUAL 604e/Card	500Mhz	\$1389

SOURCE

TECHNOLOGIES

800-900-4599

<http://www.sourcetechtechnologies.com>

Voice 954-725-9777 • Fax 954-725-9977

All products feature a 30 day money back guarantee. All memory products are brand new and carry a limited lifetime warranty. Government and educational PO's are welcome. No surcharges on credit cards. Prices are subject to change without notice! *Free Fedex Shipping is a limited time offer - restrictions apply!

***FREE FEDEX SHIPPING!**



VRAM



Lifetime Warranty!

256k VRAM Q/C/71/81...	\$13
512k VRAM Q/C/71/81...	\$19
1MB Powermac.....	\$22
2/4MB STARMAX.....	\$29/69
2MB ATI/9500.....	\$59

30 PIN SIMM 60/70ns

1MB.....	\$9
2MB.....	\$15
4MB.....	\$21
16MB.....	\$75

LOWEST PRICES GUARANTEED!!!

MediaGuide (800)463-0686

BUY / SELL / TRADE

Local: (303) 788-1400
Fax: (303) 788-0651

SE 4/0 (800k).....\$69	Q630 8/250.....\$449	Powerbook 140 4/40.....\$299
SE/30 8/40.....\$189	C650 8/230.....\$449	Powerbook 170 4/80.....\$449
Classic 4/40.....\$139	Q650 8/230.....\$499	Powerbook 165 12/240/14.4.....\$599
LC 4/40.....\$119	Q700 8/230.....\$449	Duo's (all models).....from \$299
Mac II 4/40/Video.....\$69	Q800 8/230.....\$499	PB 520 12/240/19.2.....\$849
lisi 5/40.....\$139	Q900 8/250.....\$549	PB 540c 12/320/19.2.....\$1099
llcx 8/40/Video.....\$139	Q950 8/500.....\$599	Apple 13" RGB.....\$149
llci 8/80.....\$169	6100/60 8/230/CD.....\$549	LaserWriter IInt.....\$199
llvx 8/80.....\$189	6200/75 8/1gig/CD/KB.....\$699	
llfx 8/210.....\$249	7100/66AV 8/230/CD.....\$799	
Q605 8/160.....\$349	7200/75 8/500/CD.....\$649	
Q610 8/230.....\$399	8500/150 16/1gig/CD.....\$1699	

E-mail: Sales@MediaGuide.com
WWW: http://www.mediaguide.com

Prices listed reflect a 3% cash discount. * VISA/MC/Disc/AMEX/P.O.s

Bundle Specials:
Mac llii 8/80, 13" RGB, KB...\$349 !!
Mac llii 5/80, 13" RGB, KB...\$269 !!
Mac llcx 8/80 13" RGB, KB...\$269 !!

WE HAVE A HUGE SELECTION OF MACS, PERIPHERALS, and PARTS

PartStock

MAC PARTS & SYSTEMS

Call Mike Regan 612-378-3996

1621 East Hennepin Ave
Minneapolis, MN 55414
612-378-7299 fax
mregan6210@aol.com
CHECK US OUT AT
www.geeksquad.com

Says it all! Microsuck

only \$10 Add \$4 for shipping and handling per shirt, max \$12. M, L, XL (XXL \$2 extra.)

Quality Hanes 5.1 oz Beefy T-shirt. Screen printed black or white on shirt front. Please specify shirt size, shirt color and ink color. Shipped within a week. Yeah!

Stonewashed Green	White
Light Grey	Black
Jade	Stonewashed Blue
Teal	Shrimp
Pink Grapefruit	Ochre

Visa & MasterCard Accepted
FAX (509) 747-1861
Phone (509) 747-4181
or send check or money order to:
Skreeman & Yellan
1312 West Fifth
Spokane, WA 99204

Great gift for all of your Mac Addict Friends!

BUY • SELL • TRADE MEMORY

• WE CAN BEAT ANY QUOTED PRICE IN THIS MAGAZINE

• WE CAN PAY HIGHER THAN ANY ONE FOR YOUR OLD or BROKEN MEMORY

Lifetime Warranty on All Parts

1-800-4-MEMORY
HTTP://18004MEMORY.COM

COMPUTER DISCOUNTERS

WE WILL SAVE YOU MONEY - THE TOTAL HARDWARE SOURCE! NEW, REFURBISHED AND DEMO EQUIPMENT IN STOCK. MAC PRINTERS, COMPUTERS & POWERBOOKS IN STOCK NAME BRAND PENTIUM SYSTEMS from \$899 to \$1995

WE BUY USED/DISCONTINUED MAC HARDWARE!

MACINTOSH SPECIALS

POWERBOOKS
3400C 200MHz 16/2GB/12X/33.6.....\$3395
5300C 100MHz 16/750/Active Color.....\$1595
540 - 4/240/Monochrome.....\$795
100 Series.....\$350-\$650
Global Village PB Mercury & PC Card 14.4.....\$29
Radius Thunder PC 30/1152 & 1600...\$295/495

68030 PROCESSOR MACS
IICX/IICI 8/80.....\$99
IIVX 8/80-160.....\$149

68040 PROCESSOR MACS
CENTRIS 660AV 8/230.....\$299
QUADRA 630 8/250.....\$275
QUADRA 650 8/230.....\$350
QUADRA 840AV 16/500/CD.....\$695
QUADRA 950 16/250.....\$395

POWERPC PROCESSOR MACS
PowerMac 8100/80 8/250.....\$695

PowerMac 6100/60 16/250 w/14" Apple AV Monitor.....\$599
PowerMac 8100/100 16/1GB/CD.....\$995

LASERWRITERS
HP Laserjet 5MP.....\$579
HP 4MV/5M/SSIMX.....\$1695/1395/2395
Personal Laserwriter NT.....\$195
Laserwriter IInt/IIntX.....\$185/185
Laserwriter IIG.....\$395
New Toner for LWP Pro 810.....\$145
Laserwriter PRO810.....\$1195

MONITORS
Apple M0401 & 1297/M1198.....\$99/125
Apple 16" Trinitron.....\$249
Apple 17" Multi-Trinitron.....\$375

8383 Leesburg Pike, Vienna, VA 22180
10543 Ewing Road, Beltsville, MD 20705
Tel: (301) 595-0500 Fax: (301) 595-5112
Toll Free # (800) 964-1886
www.computerdiscounters.w1.com

MEMORY

Lifetime Warranty!

BEST PRICES!

Apple® Authorized Value-Added Reseller

168 Pin DIMMs	PBook 5/53/14/34	Specials
16mb \$ 56	16mb \$ 89	GV 56k Modems \$ 175
32mb \$ 100	24mb \$ 150	GV 56k PCMCIA \$ 250
64mb \$ 200	32mb \$ 175	Quantum 4.3 gb \$ 360
128mb \$ 635	64/128mb 3400 \$ 320/650	Imega Jaz Drive \$ 380

72 Pin SIMMs	30 Pin SIMMs	Cache/VRAM
4mb \$ 16	2mb \$ 14	61/71/81 256k \$ 12
8mb \$ 26	4mb \$ 17	64/54 256k \$ 60
16mb \$ 45	8mb \$ 46	72/76/85 512k \$ 80
32mb \$ 100	16mb \$ 67	1mb VRAM \$ 24

All prices are subject to change. Limited to stock on hand. #916

MAC Solutions

11933 Wilshire Boulevard
West Los Angeles, CA 90025
Tel: (310) 966-4444 Fax: (310) 966-4433
www.macsolutions.com
University & School P.O.'s Welcome
VISA-Discover-MC-AMEX no surcharge

(800)873-3RAM

REUNION

The #1 tool for tracking your family history

Reunion 5 BETTER THAN EVER!

The most comprehensive family tree software available. Create large, beautiful pedigree and descendant charts - plus, new for Reunion 5, relative and timeline charts. Play sounds & watch videos. Print mailing lists, birthday and anniversary calendars, and book reports - they're great for family reunions. Reunion makes it easy to share your family information on the internet, with automatic HTML reports and "Web Family Cards" with pictures.

Reunion is easy to use, fast, fun and made for the Macintosh.

Leister Productions
PO Box 289, Mechanicsburg, PA 17055
phone 717-697-1378 fax 717-697-4373
e-mail: info@LeisterPro.com • web site: www.LeisterPro.com

web site: www.LeisterPro.com
To order, call
MacConnection 1-800-334-4444

MEMORY

Serving
Computer Industry
Since 1981

72 Pin SIMMS			30 Pin SIMMS			168 Pin DIMMS			168 Pin EDO 5Volt			168 Pin EDO3.3Volt		
4MB	60ns	\$16	1MB	70ns	\$8	8MB	60ns	\$39	8MB	60ns	\$40	16MB	60ns	\$89
8MB	60ns	\$30	2MB	70ns	\$17	16MB	60ns	\$69	16MB	60ns	\$69	32MB	60ns	\$139
16MB	60ns	\$54	4MB	70ns	\$22	32MB	60ns	\$125	32MB	60ns	\$125	64MB	60ns	\$259
32MB	60ns	\$109	16MB	70ns	\$79	64MB	60ns	\$235	64MB	60ns	\$235	128MB	60ns	\$795

Lifetime
Warranty



We are specialized in
PowerBook Memory



Lifetime
Warranty

PB 3400 Series
32/48MB \$190/290
54/128MB \$359/765

PB 2300 Series
Call for Best Price

PB 2300 Series
16/32MB \$105/190
40/48MB \$240/289

PB 1400 Series
16/24MB \$105/149
32/48MB \$189/289

PB 500 Series
8/16MB \$75/105
24/32MB \$145/189

PB 5300 Series
16/24MB \$105/149
32/48MB \$189/285

PB DUO 210, 230, 250
8/12/20MB \$79/100/149
PB DUO 270C, 280, 280C
20/28/36MB \$149/189/229



We Guarantee
Best Quality &
Great Deals!

PB 190
8/16MB \$79/105
24/32MB \$149/189

PB 150
8/12MB \$85/119
PB 100, 140, 160,
165, 165C, 180, & 180C
Call for Best Price

Toll Free **1-888-808-6242**
CALL www.eritech.com

eritech
INTERNATIONAL, INC.
4551 San Fernando Road, Suite 110,
Glendale, CA 91204

Phone: (818) 244-6242
FAX: (818) 500-7699
e-mail: eritech@sprynet.com
We Accept P.O.'s from Government,
Academic Institutions & Qualified Firms.
All Prices Are Subject
to Change without Notice!



L2 CACHE

256K 61/71/8100 \$18
256K 5400/6400 \$79
256K 72/75/8500 \$39
512K 72/75/8500 \$79
512K 5400/6400 \$100
1MB 72/75/8500 \$149

VRAM

256K Quadra/Centris \$12
512K Quadra/Centris \$24
1MB 72/75/8500 \$25
2MB StarMax \$40
4MB StarMax \$60
2MB ATI/9500 \$79

We carry all
name brand PC
Desktop & Notebook
Memories
Lowest Prices!

BUY/SELL/TRADE/LEASE UPGRADE • REPAIR
www.awhen.com

NEW
Power Book 1400es 12/16 \$1799
Power Book 5300c/100 8/500 \$1650
Power Mac 7300/200 32/26/CD/ROM \$1950
Power Mac 6500/300 32/26/19/CD/ROM \$2850
Power Mac 8600/200 32/26/19/CD/ROM \$2850
Power Mac 9500/200 32/48/19/CD/ROM \$2950
Apple LW (Color) 12/660 Waa Tonne \$3099
Power Book 3400/200 16/16/6/CD \$3799
USED
13" RGB Apple \$149
SE/50 8/60 \$199
Quadra 700 8/230 \$399
Quadra 660av 8/230/CD \$499
Quadra 950 16/830 \$599
Quadra 650/800 8/250 \$699
Quadra 640av 8/500 \$799
Apple LW (Postscript) 12/600 \$549
Apple LW (Color) 12/600 28/240 \$2199
Toll Free Sales Hot-line @ 888-89 AWHEN
ALL OTHERS USE (801) 547-9241 VOICE
8:00am-6:00pm MDT (801) 771-0079 FAX
We accept all major credit cards

Visit our
Web site
at



www.macaddict.com

Mac
ADDICT
A better machine. A better magazine.

DFI

20" Sony Color BLOWOUT MODEL!

Model GDM 1960 SuperFine Pitch Trinitron Tube .28 DP

*1 Year Warranty 1024 x 768 Refurbished • Tilt Swivel Base Only \$649!

We also carry Sony Monitors
19" as low as \$549 17" as low as \$299

Call for details **800-390-7020**

181 Salem Street, Malden, MA 02148
Mastercard, VISA, Discover

MONITORS

\$285+
Trinitron™
Super Sale

BUY ANY CPU...Add 17" monitor for \$200.00
17" Hi-Res. Trinitron Mtr (R) 325.00
17" Std.-Res. Trinitron Mtr (R) 285.00
17" MultiScan Monitors from 399.00
Apple 15" MultiScan Mtr (U) 229.00
Apple 14" MultiScan Mtr (U) 179.00
Apple 13" RGB Trinitron Mtr (U) 179.00
40MB 3.5" TH, SCSI (N) 29.00
160MB 3.5" HH, SCSI (N) 69.00
Ext. Hard Drive Enclosure (N) 49.00

PRINTERS

12X CDROM
Internal \$99
External \$149

External CDROM Enclosure (N) 39.00
Apple 600i 4x CD-ROM (N) 99.00
CLEAR ADB Mouse (N) 25.00
Radius ADB Mouse (N) 16.50
Radius Ext. ADB Keyboard (N) 45.00
Apple Ext. I. ADB Ext. Key (U) 29.00

ALPS

Desktop Trackpad
Glidepoint \$19.50

COMPUTERS

P631 4/0/CD (U)
\$349.00
monitor not included

P631 8/850/CD/M(U) 499.00
Mac SE 4/120 w/keyboard (U) 149.00
Mac SE/30 4/160 w/keyboard (U) 299.00
Mac LC 4/40, 13" mtr & key(U) 249.00
Mac IICx 4/160, 13" mtr & key(U) 299.00
Mac IISI 5/160, 13" mtr & key(U) 299.00
Mac IICI 4/160, 14" MS & key(U) 399.00
PB Duo 250/280 (U) 399/499
PB Duo 2300c 36/750MB (R) 1275.00
PB Duo 2300c 36/1.1GB (R) 1399.00

KEYBOARDS

P6116 8/700/CD E-net (R) 699.00
P6200 8/1.2/CD/14.4 modem (R) 699.00
P6300 16/1.2/CD/28.8 modem (R) 799.00
P6400 16/1.2/8x/CD/28.8 modem CALL
P6400 16/2.6/8x/CD/28.8 modem CALL
ImageWriter II/LQ (U) 79/99
LaserWriter Int/Intx (U) 299/399

Ext. 28.8bps modem
NEW \$49.00

ALL prices include
3% cash discount

CABLES

MacAlly • UMAX
PowerComputing
Motorola • Apple
BUY/SELL/LEASE
We accept...
School & Gov't POs
V/MC/AMEX/DISC

www.poweron.net

Rocklin, CA
(916) 652-1880 • (916) 652-1881 fax

800-673-6227

COMPUTER SERVICES

Replacement Mouse Ball (N) 10pk 35.00 Apple 1.44 Floppy Pull/New 79/99 Apple 14.4 internal modem (N) 25.00 Excel Upgrade (N) 29.00 have any questions... e-mail us at
1/2AA Lithium Batt. (N) 10pk 85.00 Apple TV Tuner Kit w/Remote (N) 99.00 EtherNET PCI/PDS/NUBus 69.00 PhotoShop 2.5 LE (N) 19.00 sales@poweron.net





shutdown

shutdown

The Data Loss Club for Men

"I'm not just the president, but also a client!" claimed Peter Thomas, product manager for Aladdin Systems, during a personal MacAddict confession at our offices where he recounted the tale of a colleague erasing his hard drive, forcing him to use Aladdin's Flashback to recover his data. No word yet on the colleague's recovery.

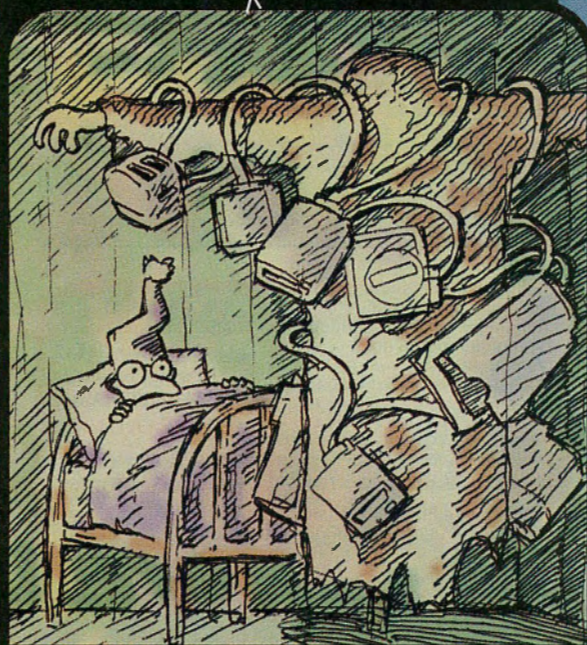
Overheard

Windows 95 n. 32-bit extensions and a graphical shell for a 16-bit patch to an 8 bit operating system originally coded for a 4-bit microprocessor, written by a 2-bit company that can't stand 1 bit of competition.

SQUEEZE PLAY

"I like playing with you. Squeeze my hand to play a game," says Microsoft's Actimates Interactive Barney doll. When you point the one foot-tall, plush, purple dinosaur at a specially coded video tape or Windows-only CD-ROM he will sing along and play games with the program...yet another reason to buy a Mac.

A CHRISTMAS CAROL



"THESE ARE THE SCSI CHAINS I FORGED IN LIFE..."

Doodle by Mark Simmons

King Tut Gets Mac-addicted!

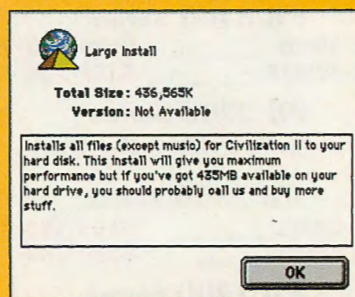
Although MacAddict has yet to aggressively expand into historical markets, our name would be spelled like this if we ever do decide to sell magazines to the dead pharaohs of ancient Egypt. Special thanks go to reader Rich Dedeyan for supplying the translation.



Cheap Advertising

Gamers who experience overwhelming urges to buy more MacSoft products immediately after a session of

the popular game Civilization II will be disappointed to note that the company does not include information for direct ordering anywhere in its subliminal advertisements. However, we have heard that if you play the game from finish to start and view your screen by its mirrored reflection, you can see MacSoft's entire product catalog displayed in ASCII.



ARROW MINDED

MacSourcery shipped BarbaBatch, a sound file conversion program, to journalists with a kid-sized bow and arrow and a target that came equipped with this warning message. We noticed that the warning does not forbid shooting at



Macintosh pundits, bulk emailers, people who drive around with stuffed animals in the rear window of their cars, people who cancel their subscriptions to this magazine because they drive around with stuffed animals in their car rear window, or Ricki Lake. Happy hunting.

MACADDICT CORRECTIONS

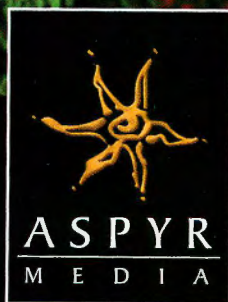
- * In one of last month's articles we referred to Steve Jobs as a "visionary" who would "give Apple the kick in the pants it needs to either #\$@% or get off the pot" when what we really meant to say was "Steve Jobs is criminally insane and should be locked up before he seriously hurts someone." We're sorry for any confusion that was caused by this error.
- * The Get Info section last month contained analytical articles on Macintosh products and events when we should have used it to popularize our beliefs on pet neutering, welfare reform, beauty pageants, and violence in the movies. We apologize for the mix-up.
- * Last month's feature section was supposed to include a 12-page article on the future of Mac clones, but we got depressed and wrote about the future of sheep cloning instead. Sorry.
- * In last issue's roundup of Silicon Valley's best- and worst-dressed technology celebrities, we neglected to mention Soledad O'Brien, Carmen Sandiego, Cheryl England, Jack, Steve Jobs' wife, Buzz Lightyear, Guerrino De Luca, A. C (Mike) Markkula, Heidi Roizen, Don Crabb, the talking pig from the award-winning film, *Babe*, and somebody else whose name we forget. Again, we apologize.
- * Several months ago we previewed Mac OS 8, when we meant to preview NBC's new fall lineup. Oops.

GRAG & THOG BONKHEADS DELUXE

SO ADDICTIVE, YOU'LL
DEVELOP A HUMP



AVAILABLE
EVERYWHERE
AT THE BEST MAC
mail-order,
internet &
retail sources



www.aspyr.com
888-212-7797



Grag & Thog Bonkheads Deluxe™ and © 1997 I A.M. Productions. Mah Jong Parlour © 1996 Exitdata Software Ltd. All Rights Reserved. The Aspyr Logo is a trademark of Aspyr Media, Inc. OH YEAH, it's pronounced "aspire" not to be confused with "aspir." Collectively, we believe in going for it. Making things happen. And of course, taking the Mac market by storm. Get it? ASPIRE. Our real phone number is 512-708-8100. Whew! Why are you still reading this? Go play a game!!

BUNGIE

It's The Subtleties Of Myth That Make It Great.

That Is, If You Consider Hacking Up A Dwarf, Picking Up
His Head And Throwing It Back At His Own Units Subtle.

Enter the world of Myth: The Fallen Lords, a 3D landscape
of blood-soaked hills and
carnage-filled
valleys. Where
weather changes dramatically,
climbing hills puts you at a
disadvantage and your own
footsteps in the mud and snow betray you.



king of the hill over the Internet through bungie.net, our free*
online gaming service.

Call 800 295-0060
or download the demo from
www.bungie.com if you
feel like you're
ready for the

biggest uphill battle of your life.
Available for Mac™ OS.

myth
THE FALLEN LORDS

